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ABSTRACT

The report summarizes the results of follow-up studies of 494 students who completed a career program at Kansas' Johnson County Community College (JCCC) during the 1997-1998 academic year, and of the employers of completers who were working in a job related to their course of study. Results of these studies provide valuable insights into the effectiveness of career programs. Findings also assist the college in planning to meet the individual need of future students and the employment needs of business and industry. Nearly 82% of respondents were employed in a job related to their community college career program, and 10% were working in an unrelated job. The overall average annual salary reported by males was 7% higher than that reported by females ($31,387 vs. $29,411). Approximately eight out of ten respondents reported improvement in their self-confidence, decision-making skills, and time management skills as a result of their community college experiences. The vast majority of employers were satisfied with the preparation of the career program completer in their employ. Nine out of ten rated the overall job preparation as excellent or good, and less than 2% of employers rated any aspect of their employee's job preparation as poor. Appendices contain tabled findings, completer and employer surveys, and comparison of initial mail and telephone responses. (Contains 37 tables.) (JA)

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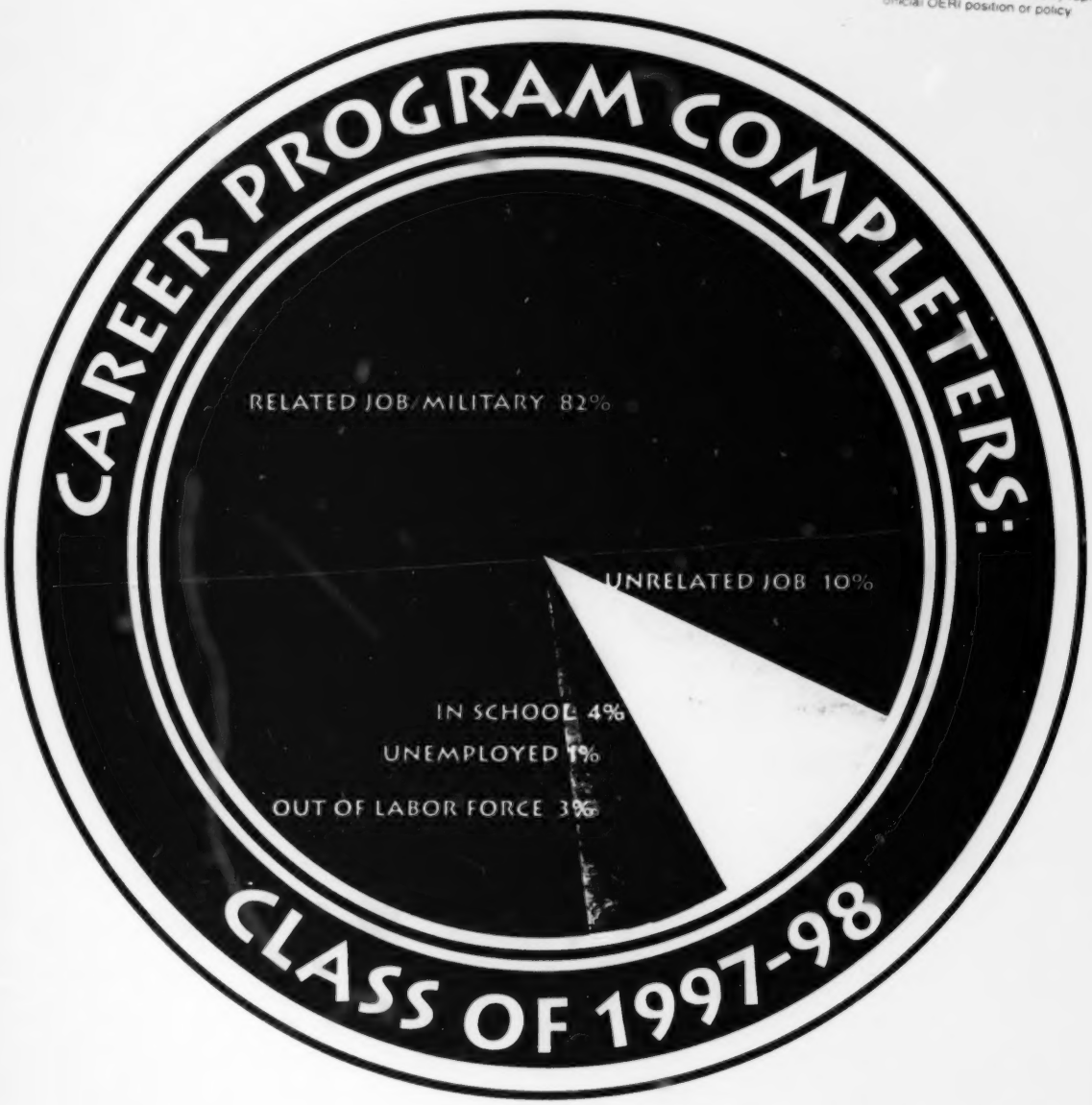

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JOHNSON COUNTY COMMUNITY COLLEGE

OFFICE OF INSTITUTIONAL RESEARCH

JULY 1999

FOLLOW-UP OF JCCC CAREER PROGRAM COMPLETERS

CLASS OF 1997-98

Johnson County Community College
Office of Institutional Research
12345 College Boulevard
Overland Park, KS 66210-1299
August 1999

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INTRODUCTION

Each year the Office of Institutional Research at Johnson County Community College, as a major component of the college's overall plan to assess institutional effectiveness, conducts follow-up studies of students who completed a JCCC career program (or a co-op program through either Penn Valley or Maple Woods Community College) during the previous academic year, and of the employers of completers who are working in a job related to their course of study. Results of these studies provide valuable insights into the effectiveness of career programs. Findings also assist the college in planning to meet the individual needs of future students and the employment needs of business and industry.

Completer Survey Methodology

A list of 746 career program completers[1] was developed in the fall of 1998 by combining lists of students earning degrees and certificates with those leaving the program with marketable skills. Completers leaving with marketable skills were identified by career program administrators in a program verification process conducted during the fall 1997 and spring 1998 semesters. Surveys and cover letters were mailed in November, with one follow-up mailing to nonrespondents in December of 1998. Efforts were made to contact remaining nonrespondents by telephone in January of 1999, and additional information secured through telephone contact with acquaintances of completers was utilized for a third mailing conducted in mid-January. The assistance of career program administrators was enlisted throughout the spring semester to locate as many remaining nonrespondents as possible.

A total of 179 former students had no opportunity to respond due to obsolete addresses and/or telephone numbers, and 13 indicated our records were in error and they had not completed a career program during that academic year, reducing the list of potential respondents to 554. Of those, 494 completed surveys for an adjusted response rate of 89%.

Employer Survey Methodology

Respondents working in a job related to their community college program identified a total of 272 employers who were subsequently surveyed by mail. The initial mailing in January and one follow-up mailing in February resulted in 14 surveys returned by the postal service as undeliverable or containing a note indicating an inability to complete the survey (completer

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[1] Note. This career program completer follow-up study excludes Burlington Northern employees, police academy graduates, and completers of the health occupations certificate programs.

unknown, new hire, no longer employed there, or disclosure of requested data against company policy), leaving 258 potential respondents. Of those, 184 returned completed surveys for an adjusted response rate of 71%.

A summary of major findings of the study follows. Tables detailing results of the completer survey are located in Appendix A, and tabled results of the employer survey may be found in Appendix B. A list of tables is provided at the start of each appendix to facilitate location of specific data, and findings are presented by career program as often as possible to enhance the usefulness of results. Caution should be exercised when generalizing these data due to the relatively small number of respondents in some programs. Findings are not necessarily representative of either the number of students enrolled in each program or the salaries of all career program completers.

Comments or questions regarding this report or previous follow-up studies of career program completers may be directed to:

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MAJOR FINDINGS

Utilization of Community College Preparation

* Nearly 82% of respondents were employed in a job related to their community college career program, and 10% were working in an unrelated job. Less than 2% of survey respondents were unemployed and looking for work; approximately 4% were pursuing additional education, and the remainder were serving in the military or out of the labor force all together.

* The average annual salary reported by respondents employed full-time in a related job has continued to increase incrementally over time to a high of $30,285 for the class of 1998, up from $28,954 for the class of 1997.

* Males continue to out-earn females. For the class of 1998, the overall average annual salary reported by males was 7% higher than that reported by females ($31,387 vs. $29,411). Where data were available for both, female respondents reported higher average earnings than males in eight career fields: chef apprentice, dental hygiene, electrical technology, emergency medical technology, hospitality management, information technology, nursing, and respiratory care.

* The majority of respondents working in a related job had ***not*** been employed in their current job prior to attending JCCC (72%), were working in their first full-time job in their chosen career field (52%), and had been employed in their current job for one year or less (59%).

* Most respondents who were employed full-time in a related job were happy with their career circumstances. Eight out of ten respondents rated most aspects of their job as excellent or good, and 85% expressed satisfaction with their current job.

Community College Experiences

* The median age of respondents (30.0 years), the median length of time enrolled in their career program (4 semesters), and the median number of credit hours completed (60 to 65) have remained essentially the same throughout the 1990's. Although the percent who earned associate degrees decreased substantially over time, from 68% in 1990 to 52% in 1997, a slight increase was noted for the class of 1998 (56%).

* Approximately eight out of ten respondents reported improvement in their self confidence, decision-making skills, and time management skills as a result of their community college experiences, and indicated the college also had assisted them in clarifying their personal values and goals. In addition, over 70% of respondents indicated that their community college experiences had helped them to broaden their knowledge of the arts and sciences, expand their tolerance for people and ideas, and improve their oral communication skills.

Satisfaction With JCCC

* The overwhelming majority of respondents were satisfied with JCCC; over 91% indicated JCCC was their first choice college to attend and, if starting now, 91% would attend JCCC again. Furthermore, over 97% of respondents indicated they would recommend JCCC to friends, and nearly 91% would encourage their own children to attend JCCC.

* Over 93% of respondents expressed satisfaction with the college's facilities and equipment, and nine out of ten expressed satisfaction with the course content, quality of instruction, helpfulness and individual attention of the faculty, and the variety of courses. Approximately eight out of ten respondents also expressed satisfaction with the usefulness and relevance of the coursework, the convenience of class scheduling, and the registration process.

Current Educational Endeavors and Future Educational Plans

* A substantial number of respondents were either already pursuing additional education or planned to do so within the next year. Despite recent completion of a career program, over 34% of respondents were currently enrolled in classes and, of those, 60% were attending JCCC. Over 53% of survey respondents planned to enroll again within the next year and, of those, 55% planned to return to JCCC.

Employer Perceptions

* The vast majority of employers were satisfied with the preparation of the career program completer in their employ. Nine out of ten rated the overall job preparation as excellent or good, and less than 2% of employers rated any aspect of their employee's job preparation as poor.

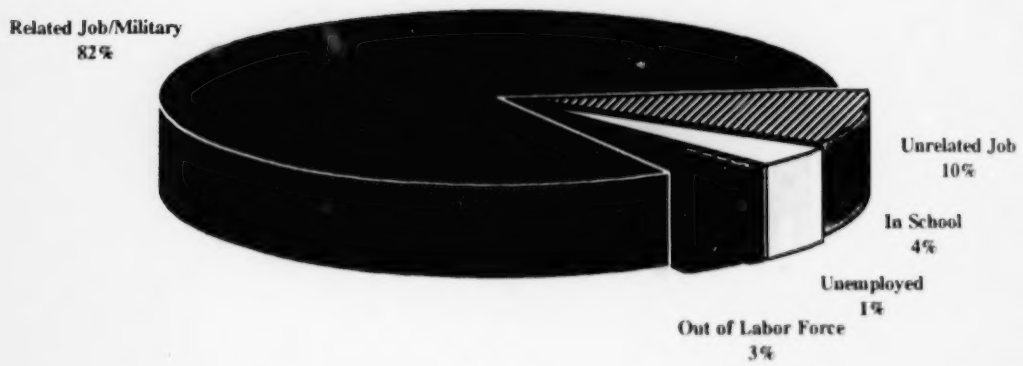
CURRENT STATUS

What percent of career program completers are working in a job related to their course of study, and what are the other completers doing?

One of the primary purposes of conducting annual follow-up studies of career program completers is to determine how they utilize the skills developed through their course of study. Figure 1 depicts the current status of respondents to this year's follow-up study. Note that 82% were working in a job related to their course of study or serving in the military, and just 1% were unemployed and looking for work.

Table 2 in Appendix A details results and comparisons of findings for the past 11 years. The percent of completers who were employed either in related or unrelated jobs has remained essentially the same since 1992.

Figure 1
Current Status



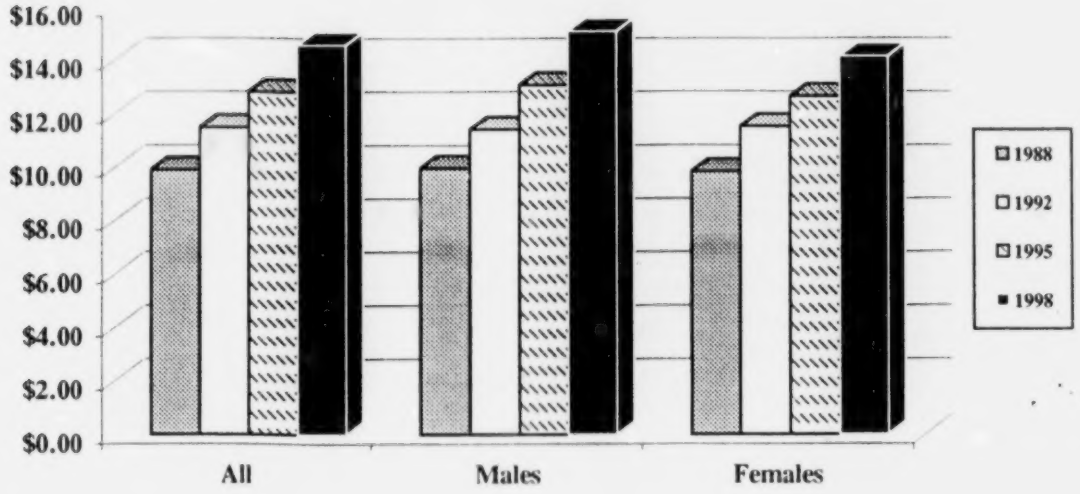
AVERAGE HOURLY WAGE

How much money does the average career program completer who is employed full-time in a related job earn?

The hourly wage data collected in the follow-up studies of career program completers is required for state and federal reporting, and is also an important component of the periodic employment, salary, and placement data provided by the college to assist students in making informed career choices.

As Figure 2 depicts, the average hourly wage reported by respondents employed full-time in a related job has continued to increase year after year, from $9.90 for the class of 1988, to $14.56 for the class of 1998. This constitutes a 47% increase in the average wage over the 10 year period. The average reported wage can differ substantially from one career program to another, and for males compared to females. See Tables 4, 8 and 9 in Appendix A for detailed findings.

Figure 2
Average Hourly Wage

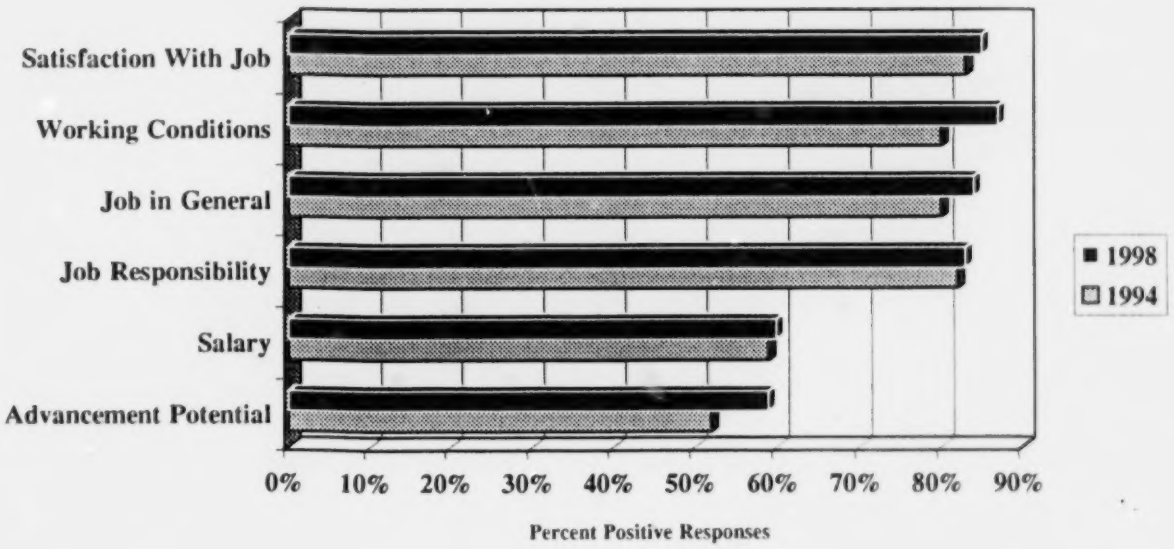


PERCEPTIONS OF CURRENT JOB

How positively do respondents view their current full-time job in a career field related to their course of study?

Another important objective of the annual follow-up study of career program completers is to ascertain respondent perceptions of their current full-time related job. As Figure 3 depicts, respondent perceptions of various aspects are once more very positive, and have exhibited little change over time. Note that respondents' evaluations have improved compared to 5 years ago, however, particularly with regard to advancement potential and working conditions. Tables 10 to 15 in Appendix A provide detailed results of findings by program.

Figure 3
Evaluation of Full-Time Related Job

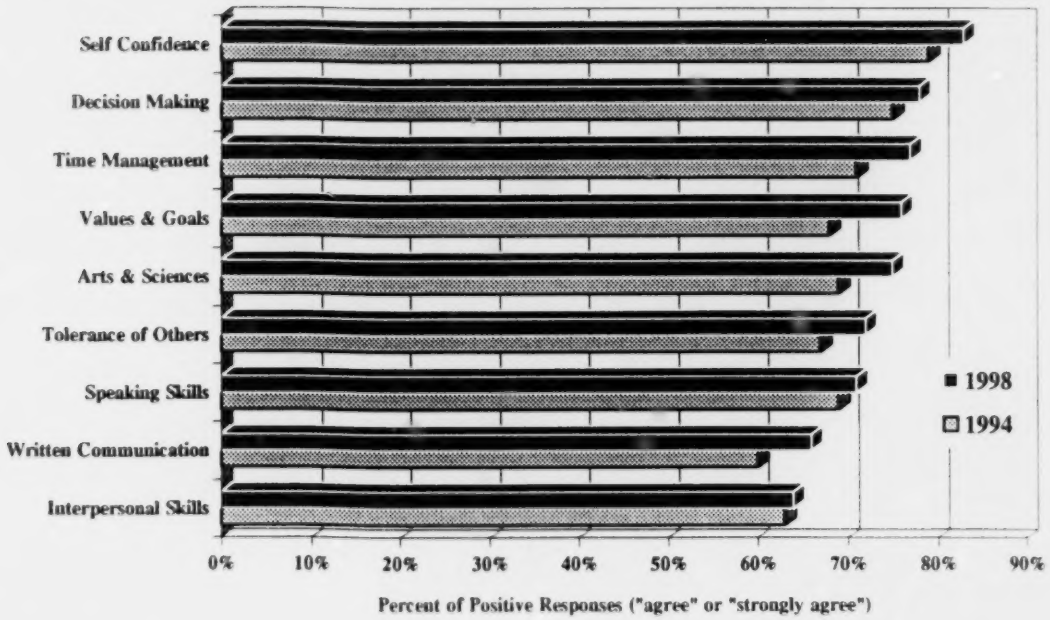


PERCEPTIONS OF COLLEGE EXPERIENCES

In what specific areas do career program completers perceive themselves as having benefited from their community college experiences?

Respondents were asked to indicate how much they agreed that the community college had helped them to accomplish a variety of "typical" goals students have for their college experiences. As Figure 4 depicts, the majority of respondents reported improvement in a variety of cognitive and noncognitive behaviors, and these findings have exhibited little change over time. Two out of three respondents to this year's follow-up study reported improvement in all nine variables, with the greatest improvement reported in their self-confidence (83%), decision-making skills (78%), and time management skills (77%). See Table 19 in Appendix A for detailed results.

Figure 4
Perceptions of College Experiences



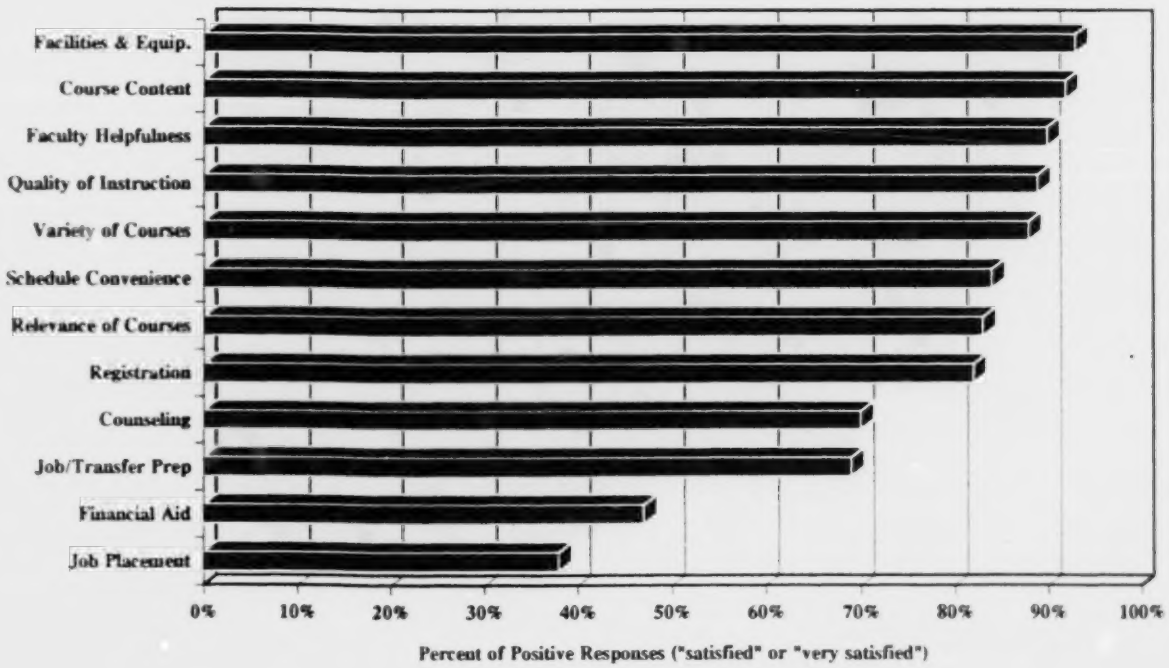
SATISFACTION WITH THE COMMUNITY COLLEGE

How satisfied were the 1998 career program completers with their community college experiences?

An important component of the ongoing assessment of institutional effectiveness conducted by the JCCC Office of Institutional Research relates to former students' satisfaction with a number of aspects of their experiences at the college.

As Figure 5 depicts, seven out of ten respondents expressed satisfaction with 10 of the 12 facets of typical community college experiences. The relatively low percent of respondents expressing satisfaction with job placement services and the availability of financial aid may at least partially be attributable either to the percent of respondents who had not had occasion to fully utilize these services or the inability of some students to qualify for aid or find jobs. Of note is the fact that over 45% of respondents replying to the question on financial aid and 55% of users evaluating job placement services indicated they were neither satisfied nor dissatisfied, and only 9% and 7%, respectively, indicated dissatisfaction with these services. See Tables 20 to 28 in Appendix A for detailed results of findings.

Figure 5
Satisfaction With the Community College



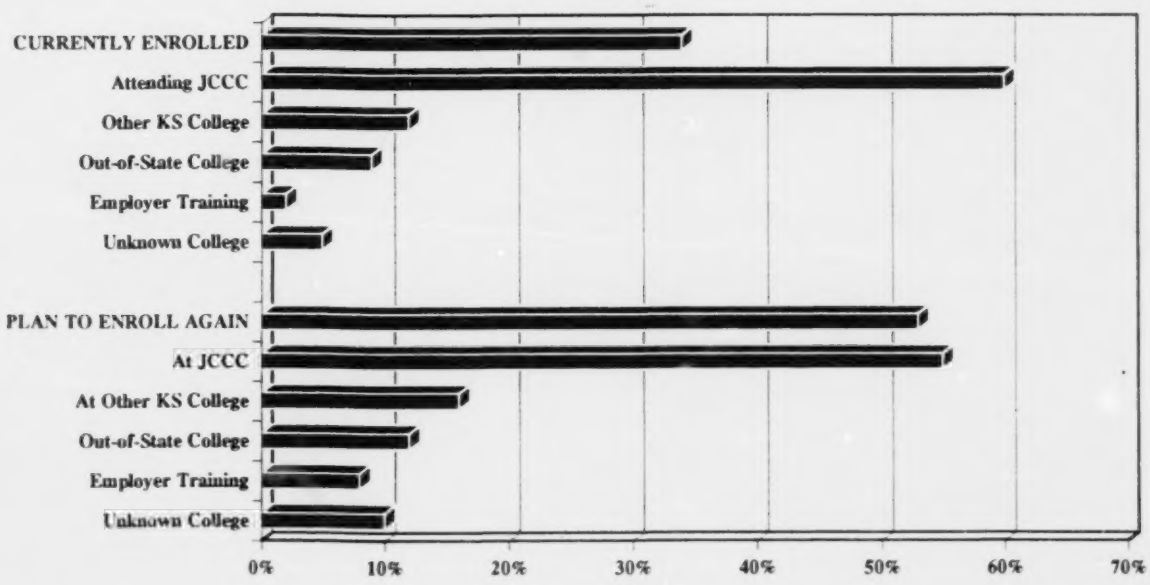
EDUCATIONAL ENDEAVORS AND PLANS

How many career program completers continue their educational pursuits after leaving the community college?

Completion of an educational program does not necessarily mean the end of educational pursuits, particularly with the recent strong emphasis on lifelong learning and maintenance of an educated workforce. As Figure 6 depicts, nearly 34% of the 1998 career program completers responding to the survey were currently enrolled, and 53% planned to enroll again within the next year. Less than 29% of respondents indicated no plans to pursue additional education.

Note that 60% of those currently enrolled were attending JCCC, and 55% of those planning to enroll within the next year planned to return to JCCC. See Tables 29 and 30 in Appendix A for detailed results of these findings.

Figure 6
Educational Endeavors and Plans



EMPLOYER PERCEPTIONS

How well do employers feel their employee has been prepared for the workplace?

Each year employers of recent career program completers are asked to evaluate the effectiveness of the preparation their employees received at the community college, and to offer suggestions for enhancing the program to meet the ever-changing technological requirements in most career fields. In this way, JCCC is aided in maintaining up-to-date, high quality programs designed to meet the needs of the workplace.

As Figure 7 depicts, employers have continued to be overwhelmingly positive in their evaluations of all aspects of their employee's preparation. See Tables 32 to 37 in Appendix B for detailed results by career program.

Figure 7
Employer Perceptions

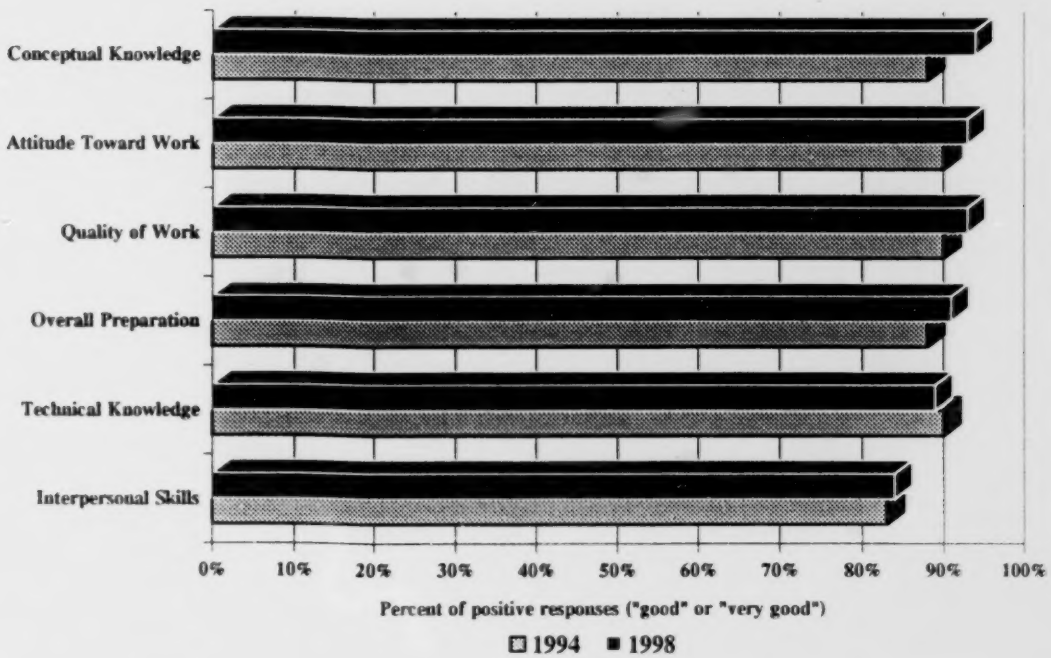


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Table 1

DEMOGRAPHIC PROFILE

			Number of Responses	Percent
Sex				
Male			199	40.3%
Female			292	59.1
Unknown			3	0.6
Age				
17 to 20 years old			25	5.1%
21 to 25			132	26.7
26 to 30			88	17.8
31 to 35			75	15.2
36 to 40			68	13.8
41 to 50			70	14.2
Over 50			22	4.5
Unknown			14	2.8
	Mean	32.1 years		
	Median	30.0 years		
Race/Ethnic Group				
White			434	87.9%
Asian or Pacific Islander			18	3.6
Hispanic			16	3.2
African American			11	2.2
American Indian or Alaskan			10	2.0
Unknown			5	1.1
Marital Status				
Never married			178	36.0%
Currently married			246	49.8
Previously married			56	11.3
Unknown			14	2.8

Table 2

CURRENT STATUS

	Number of Responses	Employed in Job Related to Training	Employed in Job Unrelated to Training	Pursuing Additional Education	Unemployed; Not Pursuing Education	Not in Labor Force; Not Pursuing Ed.	Military
Accounting	13	92.3%	7.7%	0.0%	0.0%	0.0%	0.0%
Administration of Justice	5	20.0	60.0	0.0	0.0	20.0	0.0
Automotive Technology	4	100.0	0.0	0.0	0.0	0.0	0.0
Business Administration	11	81.8	9.1	9.1	0.0	0.0	0.0
Business Entrepreneurship	1	100.0	0.0	0.0	0.0	0.0	0.0
Chef Apprentice	7	85.7	0.0	0.0	0.0	14.3	0.0
Civil Engineering Technology	3	66.7	33.3	0.0	0.0	0.0	0.0
Communication Design	7	85.7	0.0	0.0	14.3	0.0	0.0
Computer Information Systems	42	83.3	9.5	0.0	4.8	2.4	0.0
Construction Management	1	100.0	0.0	0.0	0.0	0.0	0.0
Cosmetology	12	83.4	0.0	8.3	8.3	0.0	0.0
Dental Hygiene	16	93.8	0.0	0.0	0.0	0.0	6.2
Drafting Technology	11	63.6	0.0	36.4	0.0	0.0	0.0
Electrical Technology	8	87.5	0.0	0.0	0.0	0.0	12.5
Electronics Technology	14	85.8	7.1	7.1	0.0	0.0	0.0
Emergency Medical Technology	64	48.4	32.9	12.5	3.1	3.1	0.0
Fashion Merchandising	7	85.7	0.0	14.3	0.0	0.0	0.0
Fire Science	9	66.7	33.3	0.0	0.0	0.0	0.0
HVAC Technology	14	78.6	21.4	0.0	0.0	0.0	0.0
Hospitality Management	18	94.4	0.0	5.6	0.0	0.0	0.0
Information Technology	39	87.3	10.3	0.0	0.0	2.6	0.0
Interior Merchandising	10	90.0	0.0	0.0	0.0	10.0	0.0
Interpreter Training	7	100.0	0.0	0.0	0.0	0.0	0.0
Licensed Practical Nurse (LPN)	23	87.1	4.3	4.3	0.0	4.3	0.0

Note. Employed respondents who were also pursuing additional education appear in the appropriate employment category only. Unknowns have been excluded.

Table 2 (Continued)

CURRENT STATUS

	Number of Responses	Employed in Job Related to Training	Employed in Job Unrelated to Training	Pursuing Additional Education	Unemployed; Not Pursuing Education	Not in Labor Force; Not Pursuing Ed.	Military
Marketing & Management	5	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Metal Fabrication	2	100.0	0.0	0.0	0.0	0.0	0.0
M.I.C.T. (Paramedic)	11	90.9	0.0	0.0	0.0	9.1	0.0
Nursing	47	95.7	0.0	0.0	0.0	4.3	0.0
Office Systems Technology	19	79.0	10.5	0.0	0.0	10.5	0.0
Paralegal	25	80.0	4.0	0.0	4.0	12.0	0.0
Physical Therapy Assistant	12	100.0	0.0	0.0	0.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0	0.0	0.0	0.0
Veterinary Technology	11	100.0	0.0	0.0	0.0	0.0	0.0
1998 Total (33 programs)	485	81.6%	9.5%	3.7%	1.4%	3.3%	0.5%
1997 (36 programs)	491	83.1	10.0	2.9	2.2	1.0	0.8%
1996 (30 programs)	399	79.2	11.0	4.8	2.5	1.3	1.3
1995 (31 programs)	506	82.2	8.1	3.6	2.4	3.4	0.4
1994 (30 programs)	546	82.2	9.2	3.8	2.7	1.8	0.3
1993 (34 programs)	515	82.7	8.9	5.4	1.6	0.6	0.8
1992 (35 programs)	494	80.3	9.6	4.3	3.5	1.0	1.4
1991 (33 programs)	480	74.2	8.5	9.6	4.0	2.7	1.0
1990 (35 programs)	411	81.5	6.3	5.8	3.4	2.7	0.3
1989 (32 programs)	329	79.2	11.0	3.4	4.0	1.8	0.6
1988 (32 programs)	312	80.1	6.1	4.8	6.1	2.2	0.7

Note. Employed respondents who were also pursuing additional education appear in the appropriate employment category only. Unknowns have been excluded.

Table 3

USE OF CAREER PROGRAM SKILLS

	Number of Responses	On the Job	Volunteer Work	Not Using Skills/Other
Accounting	13	84.6%	7.7%	7.7%
Administration of Justice	5	40.0	20.0	40.0
Automotive Technology	4	100.0	0.0	0.0
Business Administration	11	72.7	0.0	27.3
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	7	85.7	0.0	14.3
Civil Engineering Technology	3	66.7	0.0	33.3
Communication Design	7	71.4	0.0	28.6
Computer Information Systems	42	76.2	2.4	21.4
Construction Management	1	100.0	0.0	0.0
Cosmetology	11	90.9	0.0	9.1
Dental Hygiene	18	100.0	0.0	0.0
Drafting Technology	12	66.7	8.3	25.0
Electrical Technology	8	100.0	0.0	0.0
Electronics Technology	15	73.3	0.0	26.7
Emergency Medical Technology	64	31.3	26.6	42.1
Fashion Merchandising	7	85.7	0.0	14.3
Fire Science	9	55.6	33.3	11.1
HVAC Technology	14	85.7	0.0	14.3
Hospitality Management	18	83.3	0.0	16.7
Information Technology	39	89.7	0.0	10.3
Interior Merchandising	10	90.0	0.0	10.0
Interpreter Training	7	85.7	14.3	0.0
Licensed Practical Nurse (LPN)	23	82.6	0.0	17.4
Marketing & Management	5	100.0	0.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	11	81.8	0.0	18.2
Nursing	47	95.7	0.0	4.3
Office Systems Technology	22	86.4	4.5	9.1
Paralegal	26	65.4	3.8	30.8
Physical Therapy Assistant	12	100.0	0.0	0.0
Railroad Operations	1	100.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0
Veterinary Technology	11	100.0	0.0	0.0
Totals	493	77.5%	5.5%	17.0%

Note. Unknowns have been excluded.

Table 4

EMPLOYMENT PROFILE OF RESPONDENTS EMPLOYED IN FULL-TIME RELATED JOBS

	Number of Responses	Percent
Length of Time on Current Job		
6 months or less	105	32.0%
7 to 12 months	89	27.1
1 to 2 years	44	13.4
2 to 4 years	42	12.8
Over 4 years	46	14.0
Unknown	2	0.7
First Full-Time Job in Career Field		
Yes	172	52.4%
No	156	47.6
Hourly Wage of Respondents Employed Full-Time in Related Job		
Under $7.00 per hour	4	1.2%
7.01 - 8.00	4	1.2
8.01 - 9.00	21	6.4
9.01 - 10.00	24	7.3
10.01 - 11.00	32	9.8
11.01 - 12.00	22	6.7
12.01 - 13.00	33	10.1
13.01 - 14.00	20	6.1
14.01 - 15.00	26	7.9
Over 15.00	106	32.3
Unknown	36	11.0

Class of 1998 average hourly wage = $14.56 ($30,285/year)
Class of 1997 = $13.92 ($28,954/year)
Class of 1996 = $13.58 ($28,246/year)
Class of 1995 = $12.81 ($26,645/year)
Class of 1994 = $12.18 ($25,334/year)
Class of 1993 = $11.86 ($24,669/year)
Class of 1992 = $11.47 ($23,858/year)
Class of 1991 = $11.28 ($23,462/year)
Class of 1990 = $10.67 ($22,194/year)
Class of 1989 = $10.36 ($21,549/year)
Class of 1988 = $9.90 ($20,592/year)

Table 5

CURRENT EMPLOYMENT STATUS OF RESPONDENTS WORKING IN RELATED JOB

	Number of Responses	Part-Time	Full-Time
Accounting	11	27.3%	72.7%
Administration of Justice	1	0.0	100.0
Automotive Technology	3	0.0	100.0
Business Administration	9	11.1	88.9
Business Entrepreneurship	1	0.0	100.0
Chef Apprentice	6	0.0	100.0
Civil Engineering Technology	2	0.0	100.0
Communication Design	6	66.7	33.3
Computer Information Systems	34	11.8	88.2
Construction Management	1	0.0	100.0
Cosmetology	10	20.0	80.0
Dental Hygiene	16	18.8	81.2
Drafting Technology	7	0.0	100.0
Electrical Technology	8	0.0	100.0
Electronics Technology	11	0.0	100.0
Emergency Medical Technology	24	29.2	70.8
Fashion Merchandising	6	0.0	100.0
Fire Science	3	0.0	100.0
HVAC Technology	11	0.0	100.0
Hospitality Management	17	11.8	88.2
Information Technology	34	0.0	100.0
Interior Merchandising	7	14.3	85.7
Interpreter Training	7	14.3	85.7
Licensed Practical Nurse (LPN)	19	36.8	63.2
Marketing & Management	5	0.0	100.0
Metal Fabrication	2	0.0	100.0
M.I.C.T. (Paramedic)	10	30.0	70.0
Nursing	45	17.8	82.2
Office Systems Technology	15	13.3	86.7
Paralegal	20	10.0	90.0
Physical Therapy Assistant	12	25.0	75.0
Respiratory Care	7	0.0	100.0
Veterinary Technology	11	0.0	100.0
Totals	381	13.9%	86.1%

Note. Unknowns have been excluded.

Table 6

CURRENT RELATED JOB ATTAINED PRIOR TO ATTENDING JCCC

	Number of Responses	Yes	No
Accounting	11	9.1%	90.9%
Administration of Justice	1	100.0	0.0
Automotive Technology	3	0.0	100.0
Business Administration	9	33.3	66.7
Business Entrepreneurship	1	0.0	100.0
Chef Apprentice	6	33.3	66.7
Civil Engineering Technology	2	50.0	50.0
Communication Design	6	16.7	83.3
Computer Information Systems	34	50.0	50.0
Construction Management	1	100.0	0.0
Cosmetology	10	0.0	100.0
Dental Hygiene	16	12.5	87.5
Drafting Technology	7	14.3	85.7
Electrical Technology	8	25.0	75.0
Electronics Technology	11	36.4	63.6
Emergency Medical Technology	24	16.7	83.3
Fashion Merchandising	6	16.7	83.3
Fire Science	3	0.0	100.0
HVAC Technology	11	63.6	36.4
Hospitality Management	17	35.3	64.7
Information Technology	34	41.2	58.8
Interior Merchandising	7	0.0	100.0
Interpreter Training	7	14.3	85.7
Licensed Practical Nurse (LPN)	19	21.1	78.9
Marketing & Management	5	20.0	80.0
Metal Fabrication	2	50.0	50.0
M.I.C.T. (Paramedic)	10	20.0	80.0
Nursing	45	24.4	75.6
Office Systems Technology	15	33.3	66.7
Paralegal	20	30.0	70.0
Physical Therapy Assistant	12	16.7	83.3
Respiratory Care	7	0.0	100.0
Veterinary Technology	11	45.5	54.5
Totals	381	27.8%	72.2%

Note. Unknowns have been excluded.

Table 7

JOB HUNTING EXPERIENCES

	Number of Responses	Percent
Used JCCC Career Center Services While Attending JCCC		
Yes	253	51.2%
No	240	48.6
Unknown	1	0.2
Other Assistance With Job Search[1]		
Got the job myself, no help	178	53.5%
Family and/or friends	73	21.9
Career program administrators and/or instructors	63	18.9
Instruction or workshops on resume writing interviewing skills, etc.,	45	13.5
Other job placement services	18	5.4
Community college job placement services	10	3.0
Other	14	4.2
Interested in Serving as "Career Connections" Volunteer		
Yes	190	38.5%
Possibly--Call with more information	62	12.6
No	25	47.6
Unknown	7	1.3

[1] Note. Results provided for employed respondents only. Multiple response item; numbers and percentages are not additive.

Table 8

AVERAGE HOURLY WAGE BY GENDER & PROGRAM OF RESPONDENTS EMPLOYED FULL-TIME IN RELATED JOB

	Number of Responses	Overall Average Wage	Males	Females
Accounting	8	$12.60	$14.00	$10.94
Administration of Justice	1	16.00	-.-	16.00
Automotive Technology	3	13.35	13.35	-.-
Business Administration	8	12.64	13.65	12.47
Chef Apprentice	6	13.00	12.60	15.00
Civil Engineering Technology	2	13.25	16.00	10.50
Communication Design	2	13.96	13.96	-.-
Computer Information Systems	30	17.03	19.99	13.18
Construction Management	1	18.00	18.00	-.-
Cosmetology	8	12.29	-.-	12.29
Dental Hygiene	13	23.24	17.60	23.71
Drafting Technology	7	12.06	12.73	8.00
Electrical Technology	8	13.01	12.24	16.84
Electronics Technology	11	16.43	16.43	-.-
Emergency Medical Technology	17	10.93	10.72	12.25
Fashion Merchandising	6	10.32	-.-	10.32
Fire Science	3	10.00	10.00	-.-
HVAC Technology	11	16.07	16.07	-.-
Hospitality Management	15	12.29	11.86	13.14
Information Technology	34	17.67	17.38	18.21
Interior Merchandising	6	10.50	-.-	10.50
Interpreter Training	6	14.41	-.-	14.41
Licensed Practical Nurse (LPN)	12	12.33	-.-	12.33
Marketing & Management	5	14.43	-.-	14.43
Metal Fabrication	2	14.18	14.18	-.-
M.I.C.T. (Paramedic)	7	13.21	13.50	11.44
Nursing	37	16.31	15.43	16.37
Office Systems Technology	13	11.85	-.-	11.85
Paralegal	18	13.50	19.23	13.09
Physical Therapy Assistant	9	14.94	18.58	12.75
Respiratory Care	7	15.86	15.77	15.96
Veterinary Technology	11	9.30	-.-	9.30
Totals	327	$14.56	$15.09	$14.14

Note. Unknowns have been excluded.

Table 9

AVERAGE HOURLY ENTRY-LEVEL WAGE OF RESPONDENTS EMPLOYED FULL-TIME IN RELATED JOB

	Number of Responses	Average Hourly Wage
Accounting	4	$ 9.83
Automotive Technology	3	13.35
Business Administration	2	8.90
Chef Apprentice	4	14.13
Civil Engineering Technology	1	10.50
Communication Design	2	13.96
Computer Information Systems	6	14.34
Cosmetology	6	12.10
Dental Hygiene	13	23.24
Drafting Technology	4	10.50
Electronics Technology	7	15.63
Emergency Medical Technology	15	10.84
Fashion Merchandising	3	10.08
HVAC Technology	4	13.74
Hospitality Management	6	12.19
Information Technology	19	16.77
Interior Merchandising	4	10.00
Interpreter Training	4	11.41
Licensed Practical Nurse (LPN)	8	12.43
Marketing & Management	4	15.29
Metal Fabrication	2	14.18
M.I.C.T. (Paramedic)	5	13.32
Nursing	31	16.32
Office Systems Technology	8	11.73
Paralegal	6	9.94
Physical Therapy Assistant	8	12.79
Respiratory Care	6	15.64
Veterinary Technology	6	9.34
Totals	191	$14.20

Note. Entry-level wage is defined as earnings of respondents employed in current job one year or less. Unknowns have been excluded.

Table 10

EVALUATION OF WORKING CONDITIONS BY RESPONDENTS EMPLOYED FULL-TIME IN RELATED JOB

	Number of Responses	Excellent or Good	Average	Fair or Poor
Accounting	8	75.0%	12.5%	12.5%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	3	66.7	33.3	0.0
Business Administration	8	87.5	12.5	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	6	66.6	16.7	16.7
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	100.0	0.0	0.0
Construction Management	1	100.0	0.0	0.0
Computer Information Systems	30	90.0	6.7	3.3
Cosmetology	8	100.0	0.0	0.0
Dental Hygiene	13	100.0	0.0	0.0
Drafting Technology	7	100.0	0.0	0.0
Electrical Technology	8	62.5	12.5	25.0
Electronics Technology	11	72.7	27.3	0.0
Emergency Medical Technology	17	94.1	5.9	0.0
Fashion Merchandising	5	80.0	20.0	0.0
Fire Science	3	66.7	33.3	0.0
HVAC Technology	11	72.7	18.2	9.1
Hospitality Management	15	80.0	13.3	6.7
Information Technology	34	88.2	5.9	5.9
Interior Merchandising	6	66.7	33.3	0.0
Interpreter Training	6	83.3	16.7	0.0
Licensed Practical Nurse (LPN)	12	100.0	0.0	0.0
Marketing & Management	5	80.0	0.0	20.0
Metal Fabrication	2	50.0	50.0	0.0
M.I.C.T. (Paramedic)	7	100.0	0.0	0.0
Nursing	37	83.8	10.8	5.4
Office Systems Technology	13	84.6	0.0	15.4
Paralegal	17	94.1	0.0	5.9
Physical Therapy Assistant	9	100.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0
Veterinary Technology	11	100.0	0.0	0.0
Totals	326	87.1%	8.3%	4.6%

Note. Unknowns have been excluded.

Table 11

EVALUATION OF JOB RESPONSIBILITY BY RESPONDENTS EMPLOYED FULL-TIME IN RELATED JOB

	Number of Responses	Excellent or Good	Average	Fair or Poor
Accounting	8	62.5%	37.5%	0.0%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	3	100.0	0.0	0.0
Business Administration	8	62.5	25.0	12.5
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	6	66.6	16.7	16.7
Civil Engineering Technology	2	50.0	0.0	50.0
Communication Design	2	100.0	0.0	0.0
Computer Information Systems	30	76.7	13.3	10.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	8	87.5	12.5	0.0
Dental Hygiene	13	92.3	7.7	0.0
Drafting Technology	7	57.1	28.6	14.3
Electrical Technology	8	62.5	0.0	37.5
Electronics Technology	11	90.9	9.1	0.0
Emergency Medical Technology	17	88.2	5.9	5.9
Fashion Merchandising	6	83.3	16.7	0.0
Fire Science	3	100.0	0.0	0.0
HVAC Technology	11	90.9	9.1	0.0
Hospitality Management	15	80.0	0.0	20.0
Information Technology	34	79.4	11.8	8.8
Interior Merchandising	6	66.6	16.7	16.7
Interpreter Training	6	83.3	16.7	0.0
Licensed Practical Nurse (LPN)	12	100.0	0.0	0.0
Marketing & Management	5	60.0	0.0	40.0
M.I.C.T. (Paramedic)	7	100.0	0.0	0.0
Metal Fabrication	2	0.0	100.0	0.0
Nursing	37	91.9	5.4	2.7
Office Systems Technology	13	69.2	23.1	7.7
Paralegal	18	77.8	0.0	22.2
Physical Therapy Assistant	9	100.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0
Veterinary Technology	11	100.0	0.0	0.0
Totals	328	82.6%	9.5%	7.9%

Note. Unknowns have been excluded.

Table 12

EVALUATION OF ADVANCEMENT POTENTIAL BY RESPONDENTS EMPLOYED FULL-TIME IN RELATED JOB

	Number of Responses	Excellent or Good	Average	Fair or Poor
Accounting	7	57.1%	14.3%	28.6%
Administration of Justice	1	0.0	0.0	100.0
Automotive Technology	3	66.7	33.3	0.0
Business Administration	7	28.6	14.3	57.1
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	6	66.6	16.7	16.7
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	0.0	100.0	0.0
Computer Information Systems	30	63.3	16.7	20.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	8	87.5	12.5	0.0
Dental Hygiene	13	38.4	30.8	30.8
Drafting Technology	7	57.1	14.3	28.6
Electrical Technology	8	62.5	0.0	37.5
Electronics Technology	11	72.7	9.1	18.2
Emergency Medical Technology	17	76.4	11.8	11.8
Fashion Merchandising	6	50.0	0.0	50.0
Fire Science	3	100.0	0.0	0.0
HVAC Technology	11	45.4	27.3	27.3
Hospitality Management	15	66.6	6.7	26.7
Information Technology	34	61.8	17.6	20.6
Interior Merchandising	6	50.0	16.7	33.3
Interpreter Training	6	66.7	33.3	0.0
Licensed Practical Nurse (LPN)	12	66.7	8.3	25.0
Marketing & Management	5	40.0	0.0	60.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	7	71.4	14.3	14.3
Nursing	36	66.7	19.4	13.9
Office Systems Technology	13	46.2	30.8	23.0
Paralegal	18	33.3	50.0	16.7
Physical Therapy Assistant	8	37.5	25.0	37.5
Respiratory Care	7	14.3	57.1	28.6
Veterinary Technology	11	63.6	9.1	27.3
Totals	324	58.6%	19.1%	22.3%

Note. Unknowns have been excluded.

Table 13

EVALUATION OF SALARY BY RESPONDENTS EMPLOYED FULL-TIME IN RELATED JOB

	Number of Responses	Excellent or Good	Average	Fair or Poor
Accounting	8	62.5%	25.0%	12.5%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	3	66.7	0.0	33.3
Business Administration	8	50.0	25.0	25.0
Business Entrepreneurship	1	0.0	0.0	100.0
Chef Apprentice	6	33.3	33.3	33.3
Civil Engineering Technology	2	50.0	0.0	50.0
Communication Design	2	0.0	100.0	0.0
Computer Information Systems	30	60.0	26.7	13.3
Construction Management	1	100.0	0.0	0.0
Cosmetology	8	75.0	25.0	0.0
Dental Hygiene	13	100.0	0.0	0.0
Drafting Technology	7	71.4	0.0	28.6
Electrical Technology	8	37.5	25.0	37.5
Electronics Technology	11	63.6	27.3	9.1
Emergency Medical Technology	16	37.4	31.3	31.3
Fashion Merchandising	6	66.6	16.7	16.7
Fire Science	3	66.7	0.0	33.3
HVAC Technology	11	63.6	9.1	27.3
Hospitality Management	15	60.0	13.3	26.7
Information Technology	34	61.8	14.7	23.5
Interior Merchandising	6	66.7	33.3	0.0
Interpreter Training	6	66.6	16.7	16.7
Licensed Practical Nurse (LPN)	12	58.3	16.7	25.0
Marketing & Management	5	60.0	20.0	20.0
Metal Fabrication	2	50.0	50.0	0.0
M.I.C.T. (Paramedic)	7	71.4	14.3	14.3
Nursing	37	64.9	21.6	13.5
Office Systems Technology	13	61.5	23.1	15.4
Paralegal	18	44.4	27.8	27.8
Physical Therapy Assistant	8	50.0	25.0	25.0
Respiratory Care	7	71.4	14.3	14.3
Veterinary Technology	11	36.4	45.5	18.1
Totals	326	59.5%	21.2%	19.3%

Note. Unknowns have been excluded.

Table 14

EVALUATION OF JOB IN GENERAL BY RESPONDENTS EMPLOYED FULL-TIME IN RELATED JOB

	Number of Responses	Excellent or Good	Average	Fair or Poor
Accounting	8	87.5%	12.5%	0.0%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	3	100.0	0.0	0.0
Business Administration	8	62.5	12.5	25.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	6	50.0	50.0	0.0
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	100.0	0.0	0.0
Computer Information Systems	30	83.4	13.3	3.3
Construction Management	1	100.0	0.0	0.0
Cosmetology	8	100.0	0.0	0.0
Dental Hygiene	13	100.0	0.0	0.0
Drafting Technology	7	85.7	14.3	0.0
Electrical Technology	8	62.5	0.0	37.5
Electronics Technology	11	81.8	18.2	0.0
Emergency Medical Technology	17	94.1	5.9	0.0
Fashion Merchandising	6	66.7	33.3	0.0
Fire Science	3	66.7	33.3	0.0
HVAC Technology	11	81.8	9.1	9.1
Hospitality Management	15	73.3	20.0	6.7
Information Technology	34	79.4	11.8	8.8
Interior Merchandising	6	83.3	16.7	0.0
Interpreter Training	6	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	12	91.7	8.3	0.0
Marketing & Management	5	80.0	0.0	20.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	7	100.0	0.0	0.0.
Nursing	37	83.8	8.1	8.1
Office Systems Technology	13	76.9	7.7	15.4
Paralegal	18	88.8	5.6	5.6
Physical Therapy Assistant	9	88.9	0.0	11.1
Respiratory Care	7	85.7	14.3	0.0
Veterinary Technology	11	100.0	0.0	0.0
Totals	328	84.4%	9.8%	5.8%

Note. Unknowns have been excluded.

Table 15

SATISFACTION WITH FULL-TIME RELATED JOB

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Accounting	8	87.5%	12.5%	0.0%
Administration of Justice	1	0.0	0.0	100.0
Automotive Technology	3	66.7	0.0	33.3
Business Administration	8	75.0	0.0	25.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	6	50.0	16.7	33.3
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	100.0	0.0	0.0
Computer Information Systems	30	93.4	3.3	3.3
Construction Management	1	100.0	0.0	0.0
Cosmetology	8	87.5	0.0	12.5
Dental Hygiene	13	100.0	0.0	0.0
Drafting Technology	7	71.4	28.6	0.0
Electrical Technology	8	62.5	12.5	25.0
Electronics Technology	11	72.7	9.1	18.2
Emergency Medical Technology	17	94.1	0.0	5.9
Fashion Merchandising	6	83.3	0.0	16.7
Fire Science	3	66.7	33.3	0.0
HVAC Technology	11	63.6	27.3	9.1
Hospitality Management	15	80.0	0.0	20.0
Information Technology	34	79.4	8.8	11.8
Interior Merchandising	6	66.6	16.7	16.7
Interpreter Training	6	83.3	16.7	0.0
Licensed Practical Nurse (LPN)	12	100.0	0.0	0.0
Marketing & Management	5	80.0	0.0	20.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	7	85.7	0.0	14.3
Nursing	37	89.2	2.7	8.1
Office Systems Technology	13	84.6	0.0	15.4
Paralegal	18	88.9	0.0	11.1
Physical Therapy Assistant	9	100.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0
Veterinary Technology	11	100.0	0.0	0.0
Totals	328	85.1%	5.2%	9.7%

Note. Unknowns have been excluded.

Table 16

COMMUNITY COLLEGE EXPERIENCES

	Number of Responses	Percent
Method of Career Program Completion		
Earned associate's degree	275	55.7%
Earned vocational certificate	200	40.5
Left with marketable skills	17	3.4
Unknown	2	0.4

1997 degree completers	52.4%
1996	63.6
1995	60.9
1994	64.5
1993	68.5
1992	62.6
1991	67.3
1990	68.1

Semesters Enrolled in Career Program		
1 or 2	86	17.4%
3 or 4	200	40.5
5 or 6	108	21.9
7 or 8	27	5.5
9 or more	39	7.9
Unknown	34	6.8

Mean = 4.8; Median = 4.0

Credit Hours Completed		
15 or less	31	6.3%
16 to 30	59	11.9
31 to 45	33	6.7
46 to 60	57	11.5
61 or more	183	37.0
Unknown	131	26.5

Mean = 56.5; Median = 62.0

Table 17

COMMUNITY COLLEGE EDUCATIONAL OBJECTIVE

	Number of Responses	Percent
Original Educational Objective		
Prepare to enter job market	165	33.4%
Prepare to change careers	128	25.9
Improve skills for present job	74	15.0
Prepare to transfer	69	14.0
Explore career possibilities	28	5.7
Study topics of interest/self-improvement	24	4.9
Remedy or review basic skills	1	0.2
Other/unknown	5	0.9
Achieved Community College Objective		
Yes, completely	359	72.7%
Yes, partially	114	23.1
No	21	4.2
Community College Helped Achieve		
Yes	459	97.0%
Unsure	7	1.5
No	1	0.2
Unknown	6	1.3

Table 18

OVERALL SATISFACTION WITH THE COMMUNITY COLLEGE

	Number of Responses	Percent
JCCC Was First Choice to Attend		
Yes	451	91.3%
No	43	8.7
Improved Quality of Life		
Definitely/probably	440	89.1%
Uncertain	23	4.7
Probably no/definitely no	31	6.3
If Starting Now, Would Attend JCCC Again		
Definitely/probably	449	90.9%
Uncertain	13	2.6
Probably no/definitely no	31	6.3
Unknown	1	0.2
Would Recommend JCCC to Friends		
Yes	481	97.4%
Unsure	9	1.8
No	4	0.8
Would Encourage Own Children to Attend JCCC		
Yes	449	90.9%
Unsure	36	7.3
No	5	1.0
Unknown	4	0.8

Table 19

PERCEPTIONS OF
COMMUNITY COLLEGE EXPERIENCES

	Number of Responses	Somewhat or Totally Agree	Neutral	Somewhat or Totally Disagree
Enhanced self-confidence	490	83.3%	13.0%	3.7%
Improved decision-making skills	488	77.5	19.2	3.3
Improved time management skills	489	77.1	18.2	4.7
Assisted in clarifying personal values and goals	489	76.1	19.0	4.9
Broadened knowledge of arts and sciences	484	75.2	18.8	6.0
Expanded tolerance for people and ideas	490	72.4	22.7	4.9
Improved oral communication skills	486	71.0	22.8	6.2
Improved written communication skills	483	66.3	26.9	6.8
Improved interpersonal skills	489	64.4	29.5	6.1

Note. Unknowns have been excluded.

Table 20

SATISFACTION WITH VARIOUS ASPECTS OF COLLEGE

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Facilities and equipment	492	93.1%	4.9%	2.0%
Course content	492	92.3	5.7	2.0
Helpfulness/individual attention of faculty	491	89.6	8.0	2.4
Quality of instruction	492	88.8	7.3	3.9
Variety of courses	487	88.3	8.0	3.7
Convenience of class scheduling	489	84.0	8.2	7.8
Usefulness/relevance of coursework	481	83.0	14.5	2.5
Registration process	493	81.5	11.4	7.1
Academic advisement and counseling	473	69.6	26.0	4.4
Career or transfer preparation	458	69.2	27.7	3.1
Availability of scholarships and financial aid	440	46.6	44.8	8.6
Job placement services (users only)	207	38.2	54.6	7.2

Note. Unknowns have been excluded.

Table 21

SATISFACTION WITH VARIETY OF COURSES OFFERED AT THE COMMUNITY COLLEGE

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Accounting	13	92.3%	0.0%	7.7%
Administration of Justice	5	100.0	0.0	0.0
Automotive Technology	4	75.0	25.0	0.0
Business Administration	11	90.9	0.0	9.1
Business Entrepreneurship	1	0.0	0.0	100.0
Chef Apprentice	7	100.0	0.0	0.0
Civil Engineering Technology	3	66.7	33.3	0.0
Communication Design	7	100.0	0.0	0.0
Computer Information Systems	42	88.1	4.8	7.1
Construction Management	1	100.0	0.0	0.0
Cosmetology	12	83.3	16.7	0.0
Dental Hygiene	16	93.8	6.2	0.0
Drafting Technology	12	83.4	8.3	8.3
Electrical Technology	8	87.5	12.5	0.0
Electronics Technology	15	86.6	6.7	6.7
Emergency Medical Technology	62	80.6	17.8	1.6
Fashion Merchandising	7	85.7	14.3	0.0
Fire Science	9	100.0	0.0	0.0
HVAC Technology	14	78.6	14.3	7.1
Hospitality Management	18	94.4	5.6	0.0
Information Technology	39	82.1	5.1	12.8
Interior Merchandising	10	80.0	20.0	0.0
Interpreter Training	7	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	21	90.4	4.8	4.8
Marketing & Management	5	80.0	0.0	20.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	11	81.8	18.2	0.0
Nursing	47	93.6	6.4	0.0
Office Systems Technology	22	100.0	0.0	0.0
Paralegal	26	88.5	7.7	3.8
Physical Therapy Assistant	11	90.9	9.1	0.0
Railroad Operations	1	100.0	0.0	0.0
Respiratory Care	7	85.7	14.3	0.0
Veterinary Technology	11	100.0	0.0	0.0
Totals	487	88.3%	8.0%	3.7%

Note. Unknowns have been excluded.

Table 22

SATISFACTION WITH HELPFULNESS AND INDIVIDUAL ATTENTION RECEIVED FROM FACULTY

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Accounting	13	92.3%	7.7%	0.0%
Administration of Justice	5	100.0	0.0	0.0
Automotive Technology	4	75.0	25.0	0.0
Business Administration	11	90.9	0.0	9.1
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	7	85.7	0.0	14.3
Civil Engineering Technology	3	100.0	0.0	0.0
Communication Design	7	100.0	0.0	0.0
Computer Information Systems	42	90.5	9.5	0.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	12	75.0	16.7	8.3
Dental Hygiene	18	88.8	5.6	5.6
Drafting Technology	12	91.7	8.3	0.0
Electrical Technology	8	100.0	0.0	0.0
Electronics Technology	15	86.7	13.3	0.0
Emergency Medical Technology	64	81.3	15.6	3.1
Fashion Merchandising	7	100.0	0.0	0.0
Fire Science	9	100.0	0.0	0.0
HVAC Technology	14	85.7	14.3	0.0
Hospitality Management	18	100.0	0.0	0.0
Information Technology	38	84.2	10.5	5.3
Interior Merchandising	10	90.0	0.0	10.0
Interpreter Training	7	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	23	91.4	4.3	4.3
Marketing & Management	5	100.0	0.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	11	81.8	9.1	9.1
Nursing	47	89.4	10.6	0.0
Office Systems Technology	22	100.0	0.0	0.0
Paralegal	25	92.0	8.0	0.0
Physical Therapy Assistant	11	100.0	0.0	0.0
Railroad Operations	1	100.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0
Veterinary Technology	11	72.7	18.2	9.1
Totals	491	89.6%	8.0%	2.4%

Note. Unknowns have been excluded.

Table 23

SATISFACTION WITH COURSE CONTENT

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Accounting	13	92.3%	7.7%	0.0%
Administration of Justice	5	100.0	0.0	0.0
Automotive Technology	4	100.0	0.0	0.0
Business Administration	11	100.0	0.0	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	7	100.0	0.0	0.0
Civil Engineering Technology	3	66.7	0.0	33.3
Communication Design	7	100.0	0.0	0.0
Computer Information Systems	42	92.9	4.7	2.4
Construction Management	1	100.0	0.0	0.0
Cosmetology	12	91.7	8.3	0.0
Dental Hygiene	18	94.4	5.6	0.0
Drafting Technology	12	83.3	16.7	0.0
Electrical Technology	8	100.0	0.0	0.0
Electronics Technology	15	86.7	13.3	0.0
Emergency Medical Technology	64	92.2	7.8	0.0
Fashion Merchandising	7	85.7	14.3	0.0
Fire Science	9	100.0	0.0	0.0
HVAC Technology	14	85.7	14.3	0.0
Hospitality Management	18	100.0	0.0	0.0
Information Technology	38	76.3	10.5	13.2
Interior Merchandising	10	90.0	10.0	0.0
Interpreter Training	7	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	23	95.7	0.0	4.3
Marketing & Management	5	80.0	0.0	20.0
M.I.C.T. (Paramedic)	11	90.9	9.1	0.0
Metal Fabrication	2	100.0	0.0	0.0
Nursing	47	97.9	2.1	0.0
Office Systems Technology	22	90.9	9.1	0.0
Paralegal	26	96.2	3.8	0.0
Physical Therapy Assistant	11	100.0	0.0	0.0
Railroad Operations	1	100.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0
Veterinary Technology	11	81.8	9.1	9.1
Totals	492	92.3%	5.7%	2.0%

Note. Unknowns have been excluded.

Table 24

SATISFACTION WITH QUALITY OF INSTRUCTION

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Accounting	13	84.6%	7.7%	7.7%
Administration of Justice	5	80.0	20.0	0.0
Automotive Technology	4	100.0	0.0	0.0
Business Administration	11	81.8	9.1	9.1
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	7	100.0	0.0	0.0
Civil Engineering Technology	3	66.7	0.0	33.3
Communication Design	7	100.0	0.0	0.0
Computer Information Systems	42	92.9	7.1	0.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	12	75.0	8.3	16.7
Dental Hygiene	18	100.0	0.0	0.0
Drafting Technology	12	75.0	8.3	16.7
Electrical Technology	8	100.0	0.0	0.0
Electronics Technology	15	86.7	13.3	0.0
Emergency Medical Technology	64	84.4	10.9	4.7
Fashion Merchandising	7	100.0	0.0	0.0
Fire Science	9	88.9	11.1	0.0
HVAC Technology	14	85.7	14.3	0.0
Hospitality Management	18	100.0	0.0	0.0
Information Technology	38	78.9	5.3	15.8
Interior Merchandising	10	90.0	10.0	0.0
Interpreter Training	7	85.7	14.3	0.0
Licensed Practical Nurse (LPN)	23	82.6	8.7	8.7
Marketing & Management	5	80.0	20.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	11	81.8	18.2	0.0
Nursing	47	95.7	4.3	0.0
Office Systems Technology	22	90.9	9.1	0.0
Paralegal	26	88.5	11.5	0.0
Physical Therapy Assistant	11	100.0	0.0	0.0
Railroad Operations	1	100.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0
Veterinary Technology	11	90.9	0.0	9.1
Totals	492	88.8%	7.3%	3.9%

Note. Unknowns have been excluded.

Table 25

SATISFACTION WITH USEFULNESS AND RELEVANCE OF COURSE OF STUDY

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Accounting	13	61.5%	30.8%	7.7%
Administration of Justice	4	0.0	75.0	25.0
Automotive Technology	4	50.0	50.0	0.0
Business Administration	11	63.6	36.4	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	7	100.0	0.0	0.0
Civil Engineering Technology	3	66.7	0.0	33.3
Communication Design	6	100.0	0.0	0.0
Computer Information Systems	40	77.5	22.5	0.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	12	91.7	8.3	0.0
Dental Hygiene	18	100.0	0.0	0.0
Drafting Technology	12	100.0	0.0	0.0
Electrical Technology	8	87.5	12.5	0.0
Electronics Technology	15	86.7	13.3	0.0
Emergency Medical Technology	62	64.5	33.9	1.6
Fashion Merchandising	7	100.0	0.0	0.0
Fire Science	8	50.0	50.0	0.0
HVAC Technology	14	71.4	14.3	14.3
Hospitality Management	18	94.4	5.6	0.0
Information Technology	37	83.8	8.1	8.1
Interior Merchandising	10	100.0	0.0	0.0
Interpreter Training	7	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	22	91.0	4.5	4.5
Marketing & Management	5	100.0	0.0	0.0
M.I.C.T. (Paramedic)	10	90.0	10.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
Nursing	46	95.7	4.3	0.0
Office Systems Technology	22	86.4	13.6	0.0
Paralegal	26	76.9	19.3	3.8
Physical Therapy Assistant	11	100.0	0.0	0.0
Railroad Operations	1	100.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0
Veterinary Technology	11	81.8	9.1	9.1
Totals	481	83.0%	14.5%	2.5%

Note. Unknowns have been excluded.

Table 26

SATISFACTION WITH CAREER OR TRANSFER PREPARATION

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Accounting	13	46.2%	53.8%	0.0%
Administration of Justice	5	60.0	40.0	0.0
Automotive Technology	3	33.3	66.7	0.0
Business Administration	10	80.0	20.0	0.0
Business Entrepreneurship	1	0.0	100.0	0.0
Chef Apprentice	6	100.0	0.0	0.0
Civil Engineering Technology	3	33.3	33.3	33.3
Communication Design	6	83.3	16.7	0.0
Computer Information Systems	35	57.1	42.9	0.0
Construction Management	1	0.0	100.0	0.0
Cosmetology	11	54.5	36.4	9.1
Dental Hygiene	18	83.3	16.7	0.0
Drafting Technology	12	66.7	25.0	8.3
Electrical Technology	8	50.0	50.0	0.0
Electronics Technology	14	50.0	50.0	0.0
Emergency Medical Technology	61	59.0	37.7	3.3
Fashion Merchandising	7	85.7	0.0	14.3
Fire Science	8	75.0	25.0	0.0
HVAC Technology	14	64.3	35.7	0.0
Hospitality Management	17	70.6	29.4	0.0
Information Technology	37	62.2	29.7	8.1
Interior Merchandising	10	70.0	20.0	10.0
Interpreter Training	7	85.7	0.0	14.3
Licensed Practical Nurse (LPN)	21	85.7	9.5	4.8
Marketing & Management	5	20.0	60.0	20.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	11	90.9	9.1	0.0
Nursing	43	86.0	14.0	0.0
Office Systems Technology	19	73.7	26.3	0.0
Paralegal	22	77.3	18.2	4.5
Physical Therapy Assistant	11	81.8	18.2	0.0
Railroad Operations	1	100.0	0.0	0.0
Respiratory Care	7	71.4	28.6	0.0
Veterinary Technology	9	88.9	11.1	0.0
Totals	458	69.2%	27.7%	3.1%

Note. Unknowns have been excluded.

Table 27

USER SATISFACTION WITH JCCC JOB PLACEMENT SERVICES

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Accounting	6	66.7%	33.3%	0.0%
Administration of Justice	1	0.0	0.0	100.0
Automotive Technology	1	0.0	100.0	0.0
Business Administration	2	0.0	100.0	0.0
Business Entrepreneurship	1	0.0	100.0	0.0
Civil Engineering Technology	1	0.0	100.0	0.0
Communication Design	6	66.6	16.7	16.7
Computer Information Systems	18	27.8	50.0	22.2
Construction Management	1	0.0	100.0	0.0
Cosmetology	5	20.0	80.0	0.0
Dental Hygiene	8	50.0	50.0	0.0
Drafting Technology	10	70.0	20.0	10.0
Electrical Technology	2	50.0	50.0	0.0
Electronics Technology	5	0.0	100.0	0.0
Emergency Medical Technology	15	20.0	80.0	0.0
Fashion Merchandising	5	60.0	40.0	0.0
Fire Science	3	66.7	33.3	0.0
HVAC Technology	7	28.6	71.4	0.0
Hospitality Management	9	66.7	33.3	0.0
Information Technology	22	27.3	59.1	13.6
Interior Merchandising	10	60.0	30.0	10.0
Interpreter Training	1	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	9	33.3	66.7	0.0
Marketing & Management	2	0.0	100.0	0.0
Metal Fabrication	1	0.0	100.0	0.0
M.I.C.T. (Paramedic)	2	50.0	0.0	50.0
Nursing	17	23.5	64.7	11.8
Office Systems Technology	11	27.3	72.7	0.0
Paralegal	14	50.0	42.9	7.1
Physical Therapy Assistant	5	40.0	60.0	0.0
Respiratory Care	2	100.0	0.0	0.0
Veterinary Technology	5	40.0	60.0	0.0
Totals	207	38.2%	54.6%	7.2%

Note. Unknowns have been excluded.

Table 28

SATISFACTION WITH FACILITIES AND EQUIPMENT

	Number of Responses	Very/Somewhat Satisfied	Neutral	Somewhat/Very Dissatisfied
Accounting	13	84.6%	15.4%	0.0%
Administration of Justice	5	100.0	0.0	0.0
Automotive Technology	4	100.0	0.0	0.0
Business Administration	11	90.9	9.1	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	7	100.0	0.0	0.0
Civil Engineering Technology	3	100.0	0.0	0.0
Communication Design	7	100.0	0.0	0.0
Computer Information Systems	42	88.1	7.1	4.8
Construction Management	1	100.0	0.0	0.0
Cosmetology	12	100.0	0.0	0.0
Dental Hygiene	18	100.0	0.0	0.0
Drafting Technology	12	100.0	0.0	0.0
Electrical Technology	8	87.5	12.5	0.0
Electronics Technology	15	93.3	6.7	0.0
Emergency Medical Technology	64	89.1	7.8	3.1
Fashion Merchandising	7	100.0	0.0	0.0
Fire Science	9	100.0	0.0	0.0
HVAC Technology	14	78.6	7.1	14.3
Hospitality Management	18	100.0	0.0	0.0
Information Technology	39	89.8	5.1	5.1
Interior Merchandising	10	100.0	0.0	0.0
Interpreter Training	7	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	23	91.4	4.3	4.3
Marketing & Management	5	80.0	20.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	11	100.0	0.0	0.0
Nursing	47	97.9	2.1	0.0
Office Systems Technology	22	95.5	4.5	0.0
Paralegal	25	88.0	12.0	0.0
Physical Therapy Assistant	11	100.0	0.0	0.0
Railroad Operations	1	100.0	0.0	0.0
Respiratory Care	7	100.0	0.0	0.0
Veterinary Technology	11	81.8	9.1	9.1
Totals	492	93.1%	4.9%	2.0%

Note. Unknowns have been excluded.

Table 29

CURRENT EDUCATIONAL PROFILE

	Number of Responses	Percent
Currently Enrolled		
Yes	166	33.6%
No	322	65.2
Unknown	6	1.2
Where		
JCCC	99	59.6%
University of Kansas	6	3.6
Baker University	5	3.0
Kansas City Kansas Community College	2	1.2
Mid-America Nazarene College	2	1.2
KU Medical Center	1	0.6
Kansas State University	1	0.6
Ottawa University	1	0.6
Pittsburg State University	1	0.6
Other Kansas college or university	1	0.6
University of Missouri, Kansas City	3	1.8
Metropolitan Community Colleges	2	1.2
Calvary Bible College	1	0.6
Kansas City Art Institute	1	0.6
Rockhurst College	1	0.6
Southwest Missouri State University	1	0.6
Other Missouri college or university	3	1.8
Out-of-area college or university	3	1.8
Other type of school or training	23	13.9
Unknown	9	5.4

Table 30

FUTURE EDUCATIONAL PLANS

	Number of Responses	Percent
Plan to Enroll Again		
Yes	264	53.4%
Unsure	84	17.0
No	142	28.7
Unknown	4	0.9
Where		
JCCC	146	55.3%
University of Kansas	10	3.8
Ottawa University	5	1.9
Baker University	4	1.5
Mid-America Nazarene College	3	1.1
Washburn University	3	1.1
Emporia State University	2	0.8
University of Kansas Medical Center	2	0.8
Kansas State University	1	0.4
Pittsburg State University	1	0.4
St. Mary College	1	0.4
Other Kansas community college	4	1.5
Other Kansas college or university	5	1.9
University of Missouri, Kansas City	12	4.5
St. Luke's College	2	0.8
Avila College	1	0.4
Calvary Bible College	1	0.4
Kansas City Art Institute	1	0.4
Rockhurst College	1	0.4
Southwest Missouri State University	1	0.4
Washington University--St. Louis	1	0.4
Other Missouri college or university	2	0.8
Out-of-area college or university	8	3.0
Other type of school or training	20	7.6
Unknown	27	10.0

APPENDIX B

TABLED FINDINGS FOR

EMPLOYER SURVEY

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Table 31

PROFILE OF FIRMS EMPLOYING 1997-98 CAREER PROGRAM COMPLETERS IN JOBS RELATED TO THEIR COURSE OF STUDY

	Number of Responses	Percent
Total Number of Employees		
1 to 5	11	6.0%
6 to 10	17	9.2
11 to 25	24	13.0
26 to 50	21	11.4
51 to 100	18	9.8
101 to 250	22	12.0
251 to 500	7	3.8
Over 500	44	23.9
Unknown	20	10.9
Employees in Department/Division		
Under 10	66	35.9%
11 to 30	38	20.7
31 to 49	16	8.7
50 and over	37	20.1
Unknown	27	14.7
Anticipate Hiring in Same Career Field Within 3-5 Years		
Yes	116	63.0%
No	48	26.1
Unknown	20	10.9

Table 32

EMPLOYER EVALUATION OF JOB-RELATED CONCEPTUAL KNOWLEDGE

	Number of Responses	Very Good/ Good	Average	Poor/ Very Poor
Accounting	6	100.0%	0.0%	0.0%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	2	100.0	0.0	0.0
Business Administration	3	100.0	0.0	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	2	50.0	50.0	0.0
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	100.0	0.0	0.0
Computer Information Systems	9	100.0	0.0	0.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	3	100.0	0.0	0.0
Dental Hygiene	9	88.9	0.0	11.1
Drafting Technology	5	80.0	20.0	0.0
Electrical Technology	3	66.7	33.3	0.0
Electronics Technology	4	100.0	0.0	0.0
Emergency Medical Technology	14	92.9	7.1	0.0
Fashion Merchandising	4	100.0	0.0	0.0
Fire Science	1	100.0	0.0	0.0
HVAC Technology	8	100.0	0.0	0.0
Hospitality Management	7	85.7	14.3	0.0
Information Technology	12	100.0	0.0	0.0
Interior Merchandising	5	100.0	0.0	0.0
Interpreter Training	3	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	10	100.0	0.0	0.0
Marketing & Management	2	100.0	0.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	6	83.3	16.7	0.0
Nursing	24	87.5	12.5	0.0
Office Systems Technology	6	83.3	16.7	0.0
Paralegal	10	100.0	0.0	0.0
Physical Therapy Assistant	3	100.0	0.0	0.0
Respiratory Care	3	100.0	0.0	0.0
Veterinary Technology	9	100.0	0.0	0.0
Totals	182	94.0%	5.5%	0.5%

Note. Unknowns have been excluded.

Table 33

EMPLOYER EVALUATION OF JOB-RELATED TECHNICAL KNOWLEDGE

	Number of Responses	Very Good/ Good	Average	Poor/ Very Poor
Accounting	6	100.0%	0.0%	0.0%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	2	100.0	0.0	0.0
Business Administration	3	66.7	33.3	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	2	100.0	0.0	0.0
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	100.0	0.0	0.0
Computer Information Systems	9	100.0	0.0	0.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	3	66.7	33.3	0.0
Dental Hygiene	9	88.9	11.1	0.0
Drafting Technology	5	80.0	20.0	0.0
Electrical Technology	3	66.7	33.3	0.0
Electronics Technology	4	100.0	0.0	0.0
Emergency Medical Technology	14	100.0	0.0	0.0
Fashion Merchandising	4	100.0	0.0	0.0
Fire Science	1	100.0	0.0	0.0
HVAC Technology	8	87.5	12.5	0.0
Hospitality Management	7	85.7	14.3	0.0
Information Technology	12	100.0	0.0	0.0
Interior Merchandising	5	60.0	20.0	20.0
Interpreter Training	3	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	10	90.0	10.0	0.0
Marketing & Management	2	100.0	0.0	0.0
Metal Fabrication	2	50.0	50.0	0.0
M.I.C.T. (Paramedic)	6	83.3	16.7	0.0
Nursing	24	70.8	29.2	0.0
Office Systems Technology	6	100.0	0.0	0.0
Paralegal	10	90.0	10.0	0.0
Physical Therapy Assistant	3	100.0	0.0	0.0
Respiratory Care	3	100.0	0.0	0.0
Veterinary Technology	9	100.0	0.0	0.0
Totals	182	89.0%	10.5%	0.5%

Note. Unknowns have been excluded.

Table 34

EMPLOYER EVALUATION OF ATTITUDE TOWARD WORK

	Number of Responses	Very Good/ Good	Average	Poor/ Very Poor
Accounting	6	100.0%	0.0%	0.0%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	2	100.0	0.0	0.0
Business Administration	3	100.0	0.0	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	2	50.0	50.0	0.0
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	100.0	0.0	0.0
Computer Information Systems	9	88.9	11.1	0.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	3	100.0	0.0	0.0
Dental Hygiene	9	100.0	0.0	0.0
Drafting Technology	5	100.0	0.0	0.0
Electrical Technology	3	66.7	33.3	0.0
Electronics Technology	4	75.0	25.0	0.0
Emergency Medical Technology	14	100.0	0.0	0.0
Fashion Merchandising	4	100.0	0.0	0.0
Fire Science	1	0.0	100.0	0.0
HVAC Technology	8	87.5	12.5	0.0
Hospitality Management	7	71.4	14.3	14.3
Information Technology	12	100.0	0.0	0.0
Interior Merchandising	5	80.0	20.0	0.0
Interpreter Training	3	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	10	100.0	0.0	0.0
Marketing & Management	2	100.0	0.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	6	83.3	16.7	0.0
Nursing	24	95.8	4.2	0.0
Office Systems Technology	6	100.0	0.0	0.0
Paralegal	10	90.0	10.0	0.0
Physical Therapy Assistant	3	100.0	0.0	0.0
Respiratory Care	3	100.0	0.0	0.0
Veterinary Technology	9	100.0	0.0	0.0
Totals	182	93.4%	6.1%	0.5%

Note. Unknowns have been excluded.

Table 35

EMPLOYER EVALUATION OF QUALITY OF WORK

	Number of Responses	Very Good/ Good	Average	Poor/ Very Poor
Accounting	6	100.0%	0.0%	0.0%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	2	100.0	0.0	0.0
Business Administration	3	100.0	0.0	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	2	50.0	50.0	0.0
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	100.0	0.0	0.0
Computer Information Systems	9	88.9	11.1	0.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	3	100.0	0.0	0.0
Dental Hygiene	9	88.9	11.1	0.0
Drafting	5	80.0	20.0	0.0
Electrical Technology	3	100.0	0.0	0.0
Electronics Technology	4	75.0	25.0	0.0
Emergency Medical Technology	14	100.0	0.0	0.0
Fashion Merchandising	4	100.0	0.0	0.0
Fire Science	1	0.0	100.0	0.0
HVAC Technology	8	87.5	12.5	0.0
Hospitality Management	7	85.7	14.3	0.0
Information Technology	12	100.0	0.0	0.0
Interior Merchandising	5	80.0	20.0	0.0
Interpreter Training	3	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	10	100.0	0.0	0.0
Marketing & Management	2	100.0	0.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	6	100.0	0.0	0.0
Nursing	24	87.5	12.5	0.0
Office Systems Technology	6	100.0	0.0	0.0
Paralegal	10	90.0	10.0	0.0
Physical Therapy Assistant	3	100.0	0.0	0.0
Respiratory Care	3	100.0	0.0	0.0
Veterinary Technology	9	100.0	0.0	0.0
Totals	182	92.9%	7.1%	0.0%

Note. Unknowns have been excluded.

Table 36

EMPLOYER EVALUATION OF COMMUNICATIONS AND INTERPERSONAL SKILLS

	Number of Responses	Very Good/ Good	Average	Poor/ Very Poor
Accounting	6	66.7%	33.3%	0.0%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	2	50.0	50.0	0.0
Business Administration	3	100.0	0.0	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	2	50.0	0.0	50.0
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	100.0	0.0	0.0
Computer Information Systems	9	44.4	55.6	0.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	3	100.0	0.0	0.0
Dental Hygiene	9	100.0	0.0	0.0
Drafting Technology	5	80.0	20.0	0.0
Electrical Technology	3	66.7	33.3	0.0
Electronics Technology	4	75.0	25.0	0.0
Emergency Medical Technology	14	78.6	21.4	0.0
Fashion Merchandising	4	75.0	25.0	0.0
Fire Science	1	100.0	0.0	0.0
HVAC Technology	8	75.0	25.0	0.0
Hospitality Management	7	71.4	14.3	14.3
Information Technology	12	100.0	0.0	0.0
Interior Merchandising	5	60.0	40.0	0.0
Interpreter Training	3	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	10	90.0	10.0	0.0
Marketing & Management	2	100.0	0.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	6	100.0	0.0	0.0
Nursing	24	87.5	12.5	0.0
Office Systems Technology	6	66.6	16.7	16.7
Paralegal	10	90.0	10.0	0.0
Physical Therapy Assistant	3	100.0	0.0	0.0
Respiratory Care	3	100.0	0.0	0.0
Veterinary Technology	9	100.0	0.0	0.0
Totals	182	84.1%	14.3%	1.6%

Note. Unknowns have been excluded.

Table 37

EMPLOYER EVALUATION OF OVERALL JOB PREPARATION

	Number of Responses	Very Good/ Good	Average	Poor/ Very Poor
Accounting	6	100.0%	0.0%	0.0%
Administration of Justice	1	100.0	0.0	0.0
Automotive Technology	2	100.0	0.0	0.0
Business Administration	2	100.0	0.0	0.0
Business Entrepreneurship	1	100.0	0.0	0.0
Chef Apprentice	2	50.0	50.0	0.0
Civil Engineering Technology	2	100.0	0.0	0.0
Communication Design	2	100.0	0.0	0.0
Computer Information Systems	9	66.7	33.3	0.0
Construction Management	1	100.0	0.0	0.0
Cosmetology	3	100.0	0.0	0.0
Dental Hygiene	9	88.9	0.0	11.1
Drafting Technology	5	80.0	20.0	0.0
Electrical Technology	3	66.7	33.3	0.0
Electronics Technology	4	100.0	0.0	0.0
Emergency Medical Technology	14	92.9	7.1	0.0
Fashion Merchandising	4	100.0	0.0	0.0
Fire Science	1	100.0	0.0	0.0
HVAC Technology	7	85.7	14.3	0.0
Hospitality Management	7	85.7	0.0	14.3
Information Technology	12	100.0	0.0	0.0
Interior Merchandising	5	80.0	20.0	0.0
Interpreter Training	3	100.0	0.0	0.0
Licensed Practical Nurse (LPN)	10	100.0	0.0	0.0
Marketing & Management	2	100.0	0.0	0.0
Metal Fabrication	2	100.0	0.0	0.0
M.I.C.T. (Paramedic)	6	83.3	16.7	0.0
Nursing	24	83.3	16.7	0.0
Office Systems Technology	5	100.0	0.0	0.0
Paralegal	10	100.0	0.0	0.0
Physical Therapy Assistant	3	100.0	0.0	0.0
Respiratory Care	3	100.0	0.0	0.0
Veterinary Technology	9	100.0	0.0	0.0
Totals	179	91.1%	7.8%	1.1%

Note. Unknowns have been excluded.

APPENDIX C

COMPLETER SURVEY

AND COVER LETTERS

JOHNSON COUNTY COMMUNITY COLLEGE
TERM FOLLOW-UP STUDY OF
1997-98 CAREER PROGRAM COMPLETERS

Dear Former Student: Please take a few minutes SHORT- to carefully respond to each of the following questions as honestly and completely as possible, then return the completed survey to us in the envelope provided. Naturally all responses will be kept strictly confidential and reported as group data only.

_____**NOTE:** If you did not complete a career program by either graduating, earning a certificate, or leaving with marketable skills during the summer of 1997, fall of 1997 or spring of 1998, please check here and return the uncompleted survey to us so we can correct our records. Thank you for your help.

---

1. Which career program did you complete?_____

2. Which of the following best describes your current status? (Check only one)

   _____1. Earned an associate's degree
   _____2. Earned a vocational certificate
   _____3. Left with enough training to work in this career field

3. Was JCCC your first choice when you decided to attend college to pursue this major?

   _____1. Yes
   _____2. No (If no, which college was your first choice?_____

4. How many semesters were you enrolled in that program at the community college?_____

5. How many total credit hours have you completed at the community college?_____

6. Which of the following best describes your primary educational objective when you first enrolled at the community college? (Check only one)

   _____1. Transfer to another college or university
   _____2. Prepare to enter the job market
   _____3. Improve skills for your present job
   _____4. Explore courses to decide on a new career
   _____5. Remedy or review basic skills
   _____6. Study topics of interest or for self-improvement
   _____7. Prepare to change careers
   _____8. Other (Please specify)

7. Did you achieve your community college educational objective?

   _____1. Yes, completely
   _____2. Yes, partially
   _____3. No (If no, briefly explain reason)

8. If yes, did the community college help you to achieve this objective?

   _____1. Yes
   _____2. Unsure
   _____3. No (Please explain)

9. Regardless of the financial benefits, do you feel your community college experiences have improved the quality of your life?

   _____1. Definitely no
   _____2. Probably no
   _____3. Uncertain
   _____4. Probably yes
   _____5. Definitely yes

10. If you could go back, knowing what you know now, would you still attend the community college?

    _____1. Definitely no
    _____2. Probably no
    _____3. Uncertain
    _____4. Probably yes
    _____5. Definitely yes

11. Would you recommend attending JCCC to your friends and acquaintances?

    _____1. Yes
    _____2. Unsure
    _____3. No

12. Would you encourage your children to attend JCCC?

    _____1. Yes
    _____2. Unsure
    _____3. No

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13. Below are several goals that "typical" students have for their college experiences. Please indicate how much you agree that your experiences at the community college helped you to accomplish these goals.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
A. Broadened my knowledge of the arts and sciences	1	2	3	4	5
B. Improved my ability to communicate orally	1	2	3	4	5
C. Improved my ability to communicate in writing	1	2	3	4	5
D. Improved my ability to make good decisions	1	2	3	4	5
E. Improved my ability to make constructive use of time	1	2	3	4	5
F. Enhanced my ability to get along with others	1	2	3	4	5
G. Expanded my tolerance for people and ideas	1	2	3	4	5
H. Assisted me in clarifying the values and goals of my life	1	2	3	4	5
I. Enhanced my self-confidence	1	2	3	4	5
J. Improve my critical thinking and problem-solving skills	1	2	3	4	5

14. How are you currently using the skills you developed through your community college career program?

_____1. In my job
_____2. Doing volunteer work
_____3. Not using my skills (Why not?)
_____4. Other (Please explain)

15. Have you ever used the services of the JCCC Career Center (career/life planning, resume writing, job search, etc.)

_____1. Yes
_____2. No (If no, why not?)

16. Which of the following best describes your current employment situation?

_____1. Full-time military
_____2. Employed part-time (under 30 hours per week)
_____3. Employed full-time (30+ hours per week)
_____4. Unemployed, actively looking for work
_____5. Not in labor force (not employed and not actively looking for a job)

IF UNEMPLOYED OR OUT OF THE LABOR FORCE--SKIP TO QUESTION 27

17. How long have you had your present job?_____

18. What is your current job title?_____

19. What is your average hourly wage?_____

20. How would you describe your job in terms of the skills you developed in your career program?

_____1. Directly related to skills developed in the community college career program
_____2. Somewhat related to skills developed in the community college career program
_____3. Not at all related to skills developed in the community college career program

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21. Is your current job the first one you have had in this career field?

_____1. Yes
_____2. No

22. Were you employed in this job before enrolling in your community college career program?

_____1. Yes (If yes, skip to question 24)
_____2. No

23. Did any of the following help you to find your job? (Check all that apply)

_____1. Career program administrators and/or instructors
_____2. Instruction or workshops on resume writing, interviewing skills, etc.
_____3. Community college job placement assistance
_____4. Other job placement services
_____5. Family and/or friends
_____6. Got the job myself, no help
_____7. Other (Please specify)

24. How satisfied are you with your present job?

_____1. Very dissatisfied
_____2. Somewhat dissatisfied
_____3. Neutral
_____4. Somewhat satisfied
_____5. Very satisfied

25. Please rate each of the following characteristics of your current job by circling the number most closely reflecting your opinion.

	Poor	Fair	Average	Good	Excellent
A. Working conditions	1	2	3	4	5
B. Amount of responsibility	1	2	3	4	5
C. Advancement potential	1	2	3	4	5
D. Salary	1	2	3	4	5
E. Job in general	1	2	3	4	5

26. We would like to contact your employer to obtain some information required for the State Board of Education report on career program completers. Please indicate the name and address of your employer in the space provided.

Name of company_____

Address _____

_____ (ZIP) _____

Person familiar with your work_____

27. Are you currently enrolled in any classes or participating in any training?

_____1. Yes (Where?_____)
_____2. No

28. Do you plan to enroll in any classes or training within the next year?

_____1. Yes (Where?_____)
_____2. Unsure
_____3. No

29. What would you say were the primary strengths and/or weaknesses of the career program you completed? (Please attach additional pages if necessary)

30. **Based on your own personal experiences, please indicate your level of satisfaction with each of the following aspects of the community college by circling the number most closely reflecting your opinion.**

	Very Dissatisfied	Somewhat Dissatisfied	Neutral	Somewhat Satisfied	Very Satisfied
A. Academic advisement/counseling	1	2	3	4	5
B. Availability of scholarships and financial aid	1	2	3	4	5
C. Registration process	1	2	3	4	5
D. Convenience of class scheduling	1	2	3	4	5
E. Variety of courses	1	2	3	4	5
F. Helpfulness/individual attention of faculty	1	2	3	4	5
G. Content of courses	1	2	3	4	5
H. Quality of instruction	1	2	3	4	5
I. Usefulness or relevance of training to your current job	1	2	3	4	5
J. Career/transfer preparation	1	2	3	4	5
K. Job placement assistance	1	2	3	4	5
L. Facilities and equipment	1	2	3	4	5

---

31. If you could name one faculty or staff member who had the greatest impact on you at the community college, who would it be?

_____Dept./Area_____

Why did you select this person?

32. The JCCC Career Center has initiated a new service whereby students seeking information on various career possibilities are put in contact with completers of the career program in which the student is interested. If you decide to be included in this "Career Connections" database, no more than 3 individuals will be referred to you in any given year. The usual procedure is for you to set an appointment to meet with them for no more than 30 minutes to discuss your career field and answer any questions they may have. Would you be interested in doing this?

_____1. Yes
_____2. Possibly--call me with more information (Please provide phone number)_____
_____3. No

33. What is your race/ethnic category?

_____1. American Indian/Alaskan
_____2. Hispanic
_____3. Asian/Pacific Islander
_____4. African American
_____5. White/other

34. What is your marital status?

_____1. Single/never married
_____2. Married now
_____3. Previously married (separated, (divorced, or widowed)

35. What is your gender? _____1. Male
_____2. Female

36. What is your age?_____

Any comments or suggestions you would like to make about the community college or the career program you completed which would help us in meeting the needs of future students would be appreciated. Please attach additional pages if necessary. Thank you for your help.

November 16, 1998

Dear JCCC Career Program Completer:

As part of Johnson County Community College's continuing commitment to improving its programs and services, we are surveying former students who completed a career program at JCCC (or through Maple Woods or Penn Valley Community College) during summer of 1997, fall of 1997, or spring of 1998. This includes graduates, students earning certificates, and students who have completed sufficient coursework to acquire new skills or upgrade their current ones. We are required by federal and state law to conduct this follow-up study but, in addition, we are most interested in your evaluation of the education you received and how you are using the skills you developed in your career program.

Please take a few minutes to answer each of the questions on the enclosed survey as completely and accurately as possible, then return the completed survey to us in the postage-paid envelope provided **by December 4**. Naturally your responses will be kept strictly confidential and reported as group data only.

Thank you for your help in evaluating the career program in which you participated, and for any comments or suggestions you may have which will assist us in meeting the needs of future JCCC students.

Sincerely,

Dan Radakovich
Vice President for Academic Affairs

Enclosures

December 7, 1998

Dear Career Program Completer:

A few weeks ago we sent you a survey requesting information about your perceptions and opinions of the education you received at JCCC (or at Penn Valley or Maple Woods Community College if you participated in a co-op program) and how you are using the skills you developed in your career program. If you have already completed the survey, thank you very much. Your responses will help us in planning to meet the needs of future community college students like yourself.

In the event you have not as yet completed the survey and returned it to us, we are enclosing a second copy. Please take a few minutes to answer each of the questions as completely and accurately as possible. A postage-paid business reply envelope has been provided for your convenience in returning the completed survey to us by **January 1, 1999**. Naturally all responses will be kept strictly confidential and reported as group data only.

Thank you for your help in evaluating the career program in which you participated, and for any comments or suggestions you may have. Every good wish for a joyous holiday season and a most happy, healthy, and prosperous 1999!

Sincerely,

Dan Radakovich
Vice President for Academic Affairs

Enclosures

APPENDIX D

EMPLOYER SURVEY

AND COVER LETTERS

JOHNSON COUNTY COMMUNITY COLLEGE
EMPLOYER EVALUATION OF
CAREER PROGRAM COMPLETERS

To: Re: Former JCCC Student

Dear Employer:

We are required by state law to conduct a follow-up study of all completers who initiated their career program at JCCC, and a part of this follow-up study involves collecting data from employers of these former students. Please ask a supervisor familiar with the work of the person referenced above to complete and return this survey in the business reply envelope provided. Naturally all responses will be kept strictly confidential and reported as group data only. Thank you for your help.

---

1. How would you rate this employee in each of the following areas? (Circle the response which most closely reflects your opinion)

	Very Good	Good	Neutral	Poor	Very Poor
A. Job-related conceptual knowledge	5	4	3	2	1
B. Job- related technical knowledge	5	4	3	2	1
C. Attitude toward work (professionalism)	5	4	3	2	1
D. Quality of work	5	4	3	2	1
E. Communications and interpersonal skills	5	4	3	2	1
F. OVERALL JOB PREPARATION	5	4	3	2	1

2. What is this employee's current hourly wage?_____

3. In what areas do you feel employees from this career program are best prepared?

4. In which areas do you feel additional preparation would be helpful?

5. Do you have any specific suggestions for improvements in the curriculum or instruction of the career program that trained your employee?

6. Do you anticipate hiring additional or replacement employees in areas related to this career program in the next 3 to 5 years?

_____1. No
_____2. Yes (If yes, please list the number and types of positions which may become available in this career field)

Job Type and Title	Annual Openings	Anticipated Salary
_____	_____	_____
_____	_____	_____

7. Company name_____

8. Your job title:_____

9. Total number of employees:_____

10. Total employees within this division/department:_____

Thank you for your cooperation. Please return the completed survey in the envelope provided. Questions or comments about this study may be directed to:

Karen A. Conklin, Ed.S.
Market & Survey Research Analyst
Office of Institutional Research
Johnson County Community College
12345 College Blvd.
Overland Park, KS 66210-1299
(913) 469-8500, ext. 3443

January 26, 1999

Dear Employer:

Each year we are required by state law to conduct follow-up studies to evaluate the effectiveness of the career programs at Johnson County Community College. In our opinion, one of the most important evaluations comes from the employers who hire these former students.

The individual whose name appears on the enclosed survey is a former student of a career program at JCCC (or Penn Valley or Maple Woods Community College through a co-op arrangement) who indicated he/she is now working for you. We would very much appreciate your taking a few minutes to give us your opinions, suggestions, and comments about the preparation this employee received based on your experience with him/her. Please return the completed survey to us in the enclosed postage-paid business reply envelope by **February 12**. Naturally all responses will be kept strictly confidential and reported as group data only.

If you have any questions or comments about this study, please give us a call at 469-8500, ext. 3443. Thank you for your cooperation.

Sincerely,

Jeffrey A. Seybert, Director
Research, Evaluation, and
Instructional Development

Enclosures

February 15, 1999

Dear Employer:

A couple of weeks ago we wrote asking you to evaluate a former student who is now working for you. Our records indicate we have not yet received your completed survey.

In addition to being most interested in your evaluation of the former student who is now your employee, we look forward to hearing your views of the community college career program your employee completed. Any suggestions you have to help us improve our programs and services to better meet the needs of future employers of community college career program completers are always most welcome.

If you have already mailed your completed survey, just ignore this reminder. However, in the event the form was misplaced, we are enclosing a second copy together with another preaddressed stamped envelope for your convenience in returning the completed survey to us. We would appreciate receiving it by **March 1** if at all possible to provide sufficient time to submit the required state report on career program completers. Thank you for your help.

Sincerely,

Jeffrey A. Seybert, Director
Research, Evaluation, and
Instructional Development

Enclosures

APPENDIX E

COMPARISON OF INITIAL MAIL AND

TELEPHONE RESPONSES

For some time researchers have debated the extent of differences in respondents who return mail surveys and those who do not. One hypothesis is that the more successful completers are those most likely to respond to mail surveys. To test this notion, the JCCC Office of Institutional Research has been analyzing responses to several key questions based on the method of response for several years. The following tables detail comparisons of the respondents who initially returned mail surveys and nonrespondents who were interviewed by telephone because they had not returned a mail survey. As is typical, a greater percent of females and older completers responded to the initial mailings than males or younger completers.

Measurements of success for career program completers were determined to be 1) whether respondents were employed in a job related to their career preparation, 2) how much money they were making in their full-time related job, and 3) how satisfied they were with their full-time related job. Although results for 5 of the 8 years this analysis was conducted indicated a greater percent of initial mail respondents were employed in a related job, overall ***employment in a related job was essentially the same***.

For the majority of the years this comparison has been conducted a somewhat higher average hourly wage has been reported by initial mail respondents employed full-time in a related job, and when earnings were analyzed over the entire 8-year period a difference of only 11 cents was evident. Thus, over time ***average earnings were essentially the same***.

In 7 of the 8 years this comparison has been conducted a greater percent of telephone respondents were satisfied with their full-time related job than were initial mail survey respondents, indicating that ***nonrespondents who had to be telephoned were actually more satisfied with their full-time related job than were initial mail respondents***.

Therefore, assuming employment in a related job, earning a good wage, and being satisfied with that job represent success, it can be concluded (at least for JCCC completers) that the more successful and more satisfied career program completers are **not** more likely to respond to mail surveys after all.

COMPARISON OF INITIAL MAIL VS. TELEPHONE RESPONSES OVER TIME

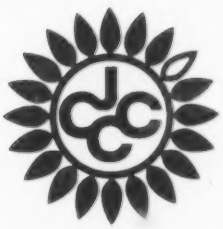
	Initial Mail Responses (N=202)	Telephone Responses (n=292)
Employed in Related Job		
1998 Percent in Related Job	77.3%	77.1%
1997	88.0	82.7
1996	80.1	74.6
1995	78.9	83.2
1994	78.1	83.9
1993	85.2	80.8
1992	75.2	83.1
1991	78.2	73.0
Hourly Wage[1]		
1998 Average Hourly Wage	$14.91	$14.32
1997	13.13	13.91
1996	13.72	13.38
1995	12.63	12.45
1994	12.55	11.95
1993	11.87	11.86
1992	11.42	11.50
1991	11.07	11.06
Job Satisfaction[2]		
1998 Percent Satisfied	81.9%	87.4%
1997	75.3	84.1
1996	75.5	90.9
1995	59.0	76.5
1994	83.3	83.1
1993	79.5	91.1
1992	64.3	77.1
1991	75.3	93.6

Note. [1] Hourly wage is for respondents employed full-time in a related job, excluding unknowns.

[2] Data were collected utilizing a 5-point scale ranging from very satisfied to very dissatisfied. Thus, the "satisfied" data include "very satisfied" and "somewhat satisfied" responses combined, and the "dissatisfied"data include "somewhat dissatisfied" and "very dissatisfied" responses combined.

COMPARISON OF INITIAL MAIL RESPONSES WITH TELEPHONE RESPONSES CLASS OF 1997-98

	Initial Mail Responses (N=202)	Telephone Responses (n=292)
Sex		
Male	34.7%	44.2%
Female	63.9	55.8
Unknown	1.4	0.0
Age		
Under 26 years	27.8%	34.6%
26 to 35	36.6	30.5
36 to 50	25.3	29.8
Over 50	5.4	3.8
Unknown	4.9	1.3
1998 Average Age (mean)	32.2 years	32.0
1997	34.4	32.8
1996	34.3	32.1
1995	33.8	32.5
1994	33.3	31.3
1993	33.3	30.5
1992	33.1	30.5
Method of Completion		
Earned associate's degree	58.4%	53.8%
Earned certificate	37.6	42.5
Left with marketable skills	3.5	3.4
Unknown	0.5	0.3
Current Status		
Employed in a related job or military	79.2%	81.5%
Employed in unrelated job	6.8	11.0
Pursuing additional education, not employed	4.5	3.1
Unemployed, looking for work	0.5	2.1
Out of labor force	4.5	2.4
Unknown	4.5	0.0



JOHNSON COUNTY COMMUNITY COLLEGE
OFFICE OF INSTITUTIONAL RESEARCH